

SEQUENCE LISTING

<110> Centre for Addiction and Mental Health

<120> Detection of Epigenetic Abnormalities and Diagnostic Method Based Thereon

<130> 04340-PCT-PA(0148.0041)

<140> 10/516,406

<141> 2004-12-01

<150> PCT/CA03/00820

<151> 2003-06-06

<150> 60/386,818

<151> 2002-06-06

<160> 263

<170> PatentIn version 3.1

<210> 1

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> consensus sequence of a subfamily of Alu repeats having accession
number U14570

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tcatgaggtc aggagatcga gaccatcctg gctaacaagg tgaaaccccg tctctactaa 120

aaatacaaaa aattagccgg gcgcggtg

148

<210> 2

<211> 20

<212> DNA

<213> Artificial

<220>

<223> primer 'Alu For' (see Example 1)

<400> 2

gcctgtactc ccagcagttt

20

<210> 3

<211> 20

<212> DNA

<213> Artificial

<220>

<223> primer 'Alu Rev' (see Example 1)

<400> 3

ggagggtggtt tgcacaatct

20

<210> 4

<211> 24

<212> DNA

<213> Artificial

<220>

<223> primer '1MF' (see Example 2)

<400> 4

cagcgtacac atacacagaa gaga

24

<210> 5

<211> 23

<212> DNA

<213> Artificial

<220>

<223> primer '1MR' (see Example 2)

<400> 5

ttcctagtca ccaagtcata gca

23

<210> 6

<211> 109
<212> DNA
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<220>
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<223> Alu sequence cloned from Sch74-E52m/Sch74-E51m (see Figure 4)

<400> 6
cagctcactg caacctccgc ctctggatt caagcgattt tccgcctta gcctcctgag 60
taactgggac tagaggcagg taccaccacg cccagctaatt tttgtatt 109

<210> 7
<211> 109
<212> DNA
<213> Homo sapiens

<220>
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<223> Alu sequence cloned from BD43-E78m/BD43-E83m (see Figure 4)

<400> 7
cggctcaatg caacctcagc ctctgggtt caagcaattc tcctgtctca gcctcccgag 60
tagctgggat tacaggcaca tgccaccatg cccaactaat tttgtatt 109

<210> 8
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-E78m (see Figure 4)

<400> 8
cggctcaatg caacctcagc ctctgggtt caagcaattc tcctgtctca gcctcccgag 60
tagctgggat tacaggcaca tgccaccatg cccaactaat tttgtatt 109

<210> 9
<211> 109
<212> DNA
<213> Homo sapiens

<220>
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<223> Alu sequence cloned from BD34-D19M (see Figure 4)

<400> 9
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tagctaggat tactggtgcc cgccaccatg cccggcaaatt tttgtatt 109

<210> 10
<211> 109
<212> DNA
<213> Homo sapiens

<220>
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<223> Alu sequence cloned from BD34-E62m_ (see Figure 4)

<400> 10
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tagctaggat tactggtgcc cgccaccatg cccggcaaatt tttgtatt 109

<210> 11
<211> 109
<212> DNA
<213> Homo sapiens

<220>
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<223> Alu sequence cloned from BD43-15m (see Figure 4)

<400> 11
tggctcactg caacctctac ctctgagtt caagctcttc tcctgcctca acctccagag 60

taattgtgat tacaggtgcc tcccaccaca ccaggctaatt ttttgtatt

109

<210> 12
<211> 109
<212> DNA
<213> Homo sapiens

<220>
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<223> Alu sequence cloned from Ctrl57-E5m (see Figure 4)

<400> 12
cagctcactg caacctccat ttctgggtt caagcgattc tcctgcctca gcctccggag 60

tagctgggac cacagacgtg tgccaccatg cctgggtaatt tttcatatt 109

<210> 13
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-RevE7m (see Figure 4)

<400> 13
cagctcactg caaccaccac ctcccagggtt caagtgatta tcctgcctca gcctcccag 60

tagctgggat tacagatgcc caccaacaca ccaggctaatt ttttgtatt 110

<210> 14
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-RevE77m (see Figure 4)

<400> 14

cagctcactg caaccaccac ctcccaggtt caagtgatta tcctgcctca gcctcccagag 60

tagctgggat tacagatgcc caccaacaca ccaggctaatt ttttgtatt 110

<210> 15

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD34-A14M (see Figure 4)

<400> 15

cagcccagtg caagctccgc ctcccaggtt caggtcattc tcctgcctca gcctcccagag 60

tagctgggac tacaggcgcc cgccaccacg cccagctaatt ttttgtatt 110

<210> 16

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Ctrl57-E3m (see Figure 4)

<400> 16

cggtcactg caagctccgc ctcccgggtg cagccattc tcctgcctca gcctcccagag 60

tagctgggac tacaggcgcc cgccaccacg cccggctaatt ttttgtatt 110

<210> 17

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Sch74-E318m (see Figure 4)

<400> 17

tggtcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccgag 60

tagctgggac taccggcgag tgctaccatg cctgcgtaat ttttgtact 110

<210> 18

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Sch74-E318_m (see Figure 4)

<400> 18

tggtcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccgag 60

tagctgggac taccggcgag tgctaccatg cctgcgtaat ttttgtact 110

<210> 19

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Ctrl57-E4m (see Figure 4)

<400> 19

tggtcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccgag 60

tagctgggac taccggcgag tgctaccatg cctgcgtaat ttttgtact 110

<210> 20

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-E79m (see Figure 4)

<400> 20

cagctcactg caacctccgt ttcccagggtg caaccgattc tcctgcctca gacctctgaa 60

gcggctggga ctacagggtgc ctgccacctc acccgggctaa ttttgtatt 110

<210> 21

<211> 108

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Ctrl57-E6m (see Figure 4)

<400> 21

cagctcacca caacctccgc ctctggggtt ccagcgattc tcctgcctcg gcctccaag 60

tagctgggat tacaggcacg caccaatata cctgggctaatt tttgtatt 108

<210> 22

<211> 108

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Ctrl57-E6m (see Figure 4)

<400> 22

cagctcacca caacctccgc ctctggggtt ccagcgattc tcctgcctcg gcctccaag 60

tagctgggat tacaggcacg caccaatata cctgggctaatt tttgtatt 108

<210> 23

<211> 110

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Ctrl50-RevE169m (see Figure 4)

<400> 23

cagctctcca caacctccgc catcgtgggt tccagcagat tctcctgcct cggcctccca 60

agtagctggg aatacaggca cgctccaata cacctggcta attatgtatt 110

<210> 24

<211> 109

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Sch56-E283m (see Figure 4)

<400> 24

cagctcaccg caacctttgc ctcacgggct caagtgattc tcatgcttga tctaccaag 60

tagctgggat tacaggcaca tgccatcatg ctgagctaac ttggtatt 109

<210> 25

<211> 109

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Sch56-r-37m (see Figure 4)

<400> 25

cagctcaccg caacctttgc ctcacgggct caagtgattc tcatgcttga tctaccaag 60

tagctgggat tacaggcaca tgccatcatg ctgagctaac ttggtatt 109

<210> 26
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Sch56-E32m (see Figure 4)

<400> 26
cacgtcactg taatgtccat ctcccggtt caggtgattc tcctgcccc gcctcctgag 60
tagctgtaca ggcgtgcacc accatgcccc actaatttt gtact 105

<210> 27
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrl50-E166m (see Figure 4)

<400> 27
cggcccactg caacctccgc ctcccggtg caagcagttc tcctacctca gcctcctgag 60
tagctaggat tacaggcaca cctggctaatt ttgtggt 98

<210> 28
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrl50-E49m (see Figure 4)

<400> 28
cgactcattg caacctctgc ctctgggtt taagccgttc tcatgcctca gcctcccgac 60

gtagctggga ttataggcat gcgccaccac ccccagctaa ttttgtatt

110

<210> 29
<211> 589
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-130_m37_SZ (see Figure 3)

<400> 29
ctgattacgc caagctctaa tacgactcac tataggga aa gctcgttacc acgcatgctt 60
gcagacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgttgc acaatctcag 120
ctcaccgaaa cctccgcctc acaggttcaa gtgattcctc tgcctcagcc ttctgagtag 180
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gattcttcat gttgataagg tggttcttga actcctgacc tcagatgatc catctgattt 300
ggcctcccaa actgctggga gtacaggcaa tctgaattcg tcgacaagct tctcgagcct 360
aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta ttctatagt 420
tcacctaaat ggccgcacaa ttactggcc gtcgttttac aacgtcgtga ctgggaaaac 480
cctggcgta cccaacttaa tcgccttgca gcacatcccc ctttccagc tggcgtaata 540
gacgaagagg cccgcaccga tcgcccttcc caacagttgc gcaagcctg 589

<210> 30
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-140_m48_SZ (see Figure 3)

<400> 30

ctatcccatg attacgcaa gctctaatac gactcactat agggaaagct cggtagcacg 60
catgctgcag acgcgttacg tatcggatcc agaattcgtg attgcctgta ctcccagcag 120
tttgggaggc tgaggtaggt ggatcacgag gtcaggagtt ctatgcagc ctggccaaca 180
gggtgaaacc atgtctctac taaaaataca aaaattagtc aggcgtggtg gtgggcacct 240
gtaatccag ttacttggga ggctgaggca ggagaatttc ttgaacctgg aaggcagagg 300
ttgcagttag cagagattgt gcaaacaccc tccaatctga attcgtcgac aagcttctcg 360
agcctaggct agctctagac cacacgtgtg ggggcccag ctgcggccg ctgtattcta 420
tagtgtcacc taaatggccg cacaattcac tggccgtcgt ttacaacgt cgtgactggg 480
aaaacctggc gttaccaaac ttaatgcct tgcagcacat cccctttcg ccagctggcg 540
taatagcgaa gaggcccga ccgatcgccc tcccacagt tgcgcagcct gaatggcgaa 600
tggaattgt aa 612

<210> 31

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-150_m48_SZ (see Figure 3)

<400> 31

ctatgacat gattacgcca agctctaata cgactcacta tagggaaagc tcggtaccac 60
gcatgctgca gacgcgttac gtatcggatc cagaattcgt gattgcctgt actcccagca 120
gtttgggagg ccaaatcaga tggatcatct gaggtcagga gttaagaac caccttatca 180
acatgaagaa tcctgtctc tactaaaagt acaaattag ccaggatatca tggcaaatgc 240
ttgtatcct agctactcag aaggctgagg cagaggaatc acttgaacct gtgaggcgga 300

ggtttcggtg agctgagatt gtgcaaacac cctccaatct gaattcgctg acaagcttct 360
 cgagcctagg ctagctctag accacacgtg tgggggcccc agctcgcggc cgctgtattc 420
 tatagtgtca cctaaatggc cgcacaattc actggccgtc gttttacaac gtcgtgactg 480
 ggaaaaccct ggcgttacct aacttaatcg ccttgacgca catccccctt tcgccagctg 540
 gcgtaatagc gaagaggggc gcaccgatcg ccctccaac agttgcgcag cctgaatggc 600
 ga 602

<210> 32
 <211> 620
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-154_m56_SZ (see Figure 3)

<400> 32
 atgattacgc caagctctaa tacaactcac tatgggcaaa tggtcgcaac ctcgcatgct 60
 gcatacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgttgc acaatctcag 120
 ctcactgcaa cctccacctc ccaggctcaa tgatcctccc acctcaactc ccccgagtaa 180
 ctgggaccac aggtgcatgc cagcatgccc agctaatttt tgtattttct gttgagatgg 240
 ggttttgcc a tgttgcccag gcaggtctcg aactgctggg ctcaagtgat cctcctgcct 300
 ccacctcaca aactgctggg agtacaggca atctgaattc gtcgacaagc ttctcgagcc 360
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 gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgtg actgggaaaa 480
 ccctggcgtt acccaactta atcgccctgc agcacatccc cctttcgcca gctggcgtaa 540
 tagcgaagag gcccgcaccg atcgcccttc ccaacagtig cgcagcctga atggcgaatg 600
 gaaattgtaa gcgttaatat 620

<210> 33
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-178_m74_SZ (see Figure 3)

<400> 33
aagatccata tgacatgat tacgccaagc tctaatacga ctactatag ggaaagctcg 60
gtaccacgca tgctgcagac gcgttacgta tcggatccag aattcgtgat tggagggtgt 120
ttgcacaatc ttggctcact gcaacctccg cctcccgggt tcaagagatt ctctgcctc 180
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atctgcccgc ctcagcctcc caaacttgct gggagtacag gcaatctgaa ttcgtcgaca 360
agcttctcga gcctaggcta gctctagacc acacgtgtgg gggcccgcgc tcgcgccgc 420
tgtattctat agtgtcacct aatggccgc acaattcact ggccgtcgtt ttacaacgtc 480
gtgactggga aaaccctggc gttaccaac ttaatgcct tgcagcatat cccctttcg 540
ccagctggcg taatagcgaa gagggccgca ccgatgccc ttccaacag ttgcgcag 598

<210> 34
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-191_m34-4_BD (see Figure 3)

<400> 34
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cagacgcgtt acgtatcgga tccagaattc gtcgatctga attcgtcgac aagcttctcg 120
 agcctaggct agctctagac cacacgtgtg ggggcccag ctcgcggccg ctgtattcta 180
 tagtgtcacc taaatggccg cacaattcac tggccgtcgt ttacaacgt cgtgactggg 240
 aaaaccctgg cgttacccaa cttaatgcc ttgcagcaca tcccccttc gccagctggc 300
 gtaatagcga agaggccgc accgatcgcc ctccaaca gttgcgcagc ctgaatggcg 360
 aatggaaatt gtaagcgta atatttgtt aaaattcgcg ttaaatttt gttaaatcag 420
 ctcatTTTT aaccaatagg ccgaaatcgg caaatccct tataaatcaa aagaatagac 480
 cgagataggg ttgagtgtt gttccagttt ggaacaagag tccactatta aagaacgtgg 540
 actccaacgt caaaggcgga aaaaccgtct atcaggcgga tggcccacta cgtgaacct 600
 caccctaac aagtttttg ggtcgaggtg ccgtaaagca ctaaatcgga accctaaagg 660
 gagccccga ttagagctt gacggggaaa gc 692

<210> 35
 <211> 530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-221_m37_SZ (see Figure 3)

<400> 35
 ccatatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gtcggtacc 60
 acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgcct gtactccag 120
 cagtttggga ggccaaatca gatgatcat ctgaggtcag gagttaaga accaccttat 180
 caacatgaag aatcctggtc tctactaaaa atacaaaatt agccaggtat catggcaaat 240
 gcttgcac ctagctactc agaaggctga ggcagaggaa tcactgaac ctgtgaggcg 300
 gaggtttcgg tgagctgaga ttgtgcaaac accctccaat ctgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtggggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcttgcccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggttac ccaacttaat cgccttgcag cacatcccc 530

<210> 36

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-244_m48_SZ (see Figure 3)

<400> 36

ccgtatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120

caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180

tctgagtagc taggatgaca agcatttgcc atgatactg gctaatttg tatitttagt 240

agagaccagg attcttcatg ttgataaggt ggttcttgaa ctctgacct cagatgatcc 300

atctgatttg gcctcccaaa ctgtggggag tacaggcaat ctgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtggggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcttgcccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggttac ccaacttaat cgccttgcag cacatcccc ttccgagc 540

tggcgtaata gcgaagaggc cgcaccgatc gcccttccca acagttgcgc agcctgaatg 600

<210> 37

<211> 586

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-246_m48_SZ (see Figure 3)

<400> 37

ctatgaccat gattacgcc a gctctaata ccgactcact atagggaag ctcggtacca 60

cgcatgctgc agacgcgta cgtatcggat ccagaattcg tgattggagg gtgtttgcac 120

aatctcggct cactgcaacc tccacctccc aggttcaagc aattctcctg cctcagcctc 180

ccaagtagct gagattacag ggggctgcca tcatgcctgg ctaatttttg tatttttact 240

aaagacgggg tttgccatg ttggccaggc tgttctcaaa ctctgactt caggtgatcc 300

acctgcctca gcctccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360

ctcagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggtac ccaacttaat cgccttgcag cacatcccc ttcgccagc 540

tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagt 586

<210> 38

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-251_m48_SZ (see Figure 3)

<400> 38

catgattacg ccaagctcta atacgactca ctatagggaag agctcgggtac cacgcatgct 60

gcagacgcgt tacgtatcgg atccagaatt cgtgattcgg aggggtgttg cacaatcttg 120

actaactgca acatctgcct cccaggttca agcaattctg cctcagcttc ctgagcagct 180

gggattacag atgagcacta ccatgacagg ctaattttta tatttttagt agaggcgggg 240

tttcacatg ttggccaggc tggtcatgaa ctctgacct caggtgattc acctgcctca 300
gcctcccaaa ctgctgggaa tctgaattcg tcgacaagct tctcgagcct aggctagctc 360
tagaccacac gtgtgggggc ccgagctcgc ggccgctgta ttctatagtgc tcacctaaat 420
ggccgcacaa ttactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcgta 480
cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat agcgaagagg 540
cccgaccga tcgcccttc 560

<210> 39

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-252_m48_SZ (see Figure 3)

<400> 39

cgatatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcgttacc 60
acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120
caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180
tctgagtagc taggatgaca agcatttgcc atgatactg gctaattttg tatttttagt 240
agagaccagg attcttcattg ttgataaggt ggttcttgaa ctctgacct cagatgatcc 300
atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360
ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg gccgctgtat 420
tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca acgtcgtgac 480
tggggaaaac cctggcgta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540
ctggcgtaat agcgaagagg ccgcaccga tcgcccttc c 581

<210> 40
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-2531_m48_SZ (see Figure 3)

<400> 40
cagctatgac catgattacg ccaagctcta atacgactca ctataggga agctcggtag 60

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgcc tgtactccca 120

gcagtttggg aggctgaggc aggtgaatca cctgaggta ggagttcatg accagcctgg 180

ccaacatggt gaaacccgc ctctactaaa aatataaaaa ttagcctgtc atggtagtgc 240

tcactgtaa tccagctgc tcaggaagct gaggcagaat tgcttgaacc tgggaggcag 300

atgttcagt tagtcaagat tgtgcaaaca cctccaatc tgaattcgtc gacaagcttc 360

tcgagcctag gctagctcta gaccacacgt gtggggggccc gagctcgcgg ccgctgtatt 420

ctatagtgtc acctaatgg ccgcacaatt cactggccgt cgttttacaa cgctgtgact 480

gggaaaacc tggcgttacc caactaatc gccttgacg acatccccct ttcgccagct 540

ggcgtaatag cgaagagggc cgcaccgatc g 571

<210> 41
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (575)..(575)
<223> n is a, g, c, or t

<220>
<221> misc_feature

<223> Alu sequence cloned from E-2532_m48_SZ (see Figure 3)

<400> 41

ctatgacat gattacgcca agctctaata cgactcacta tagggaaagc tcggtaccac 60
gcatgctgca gacgcgttac gtatcggatc cagaattcgt gattgcctgt actcccagca 120
gtttgggagg ctgaggcagg tgaatcacct gaggtcagga gttcatgacc agcctggcca 180
acatggtgaa accccgctc tactaaaaat ataaaaatta gcctgtcatg gtagtgctca 240
tctgtaatcc cagctgctca ggaagctgag gcagaattgc ttgaaccttg ggaggcagat 300
gttgcaagttg gtcaagattg tgcaaacacc ctccaatctg aattcgtcga caagcttctc 360
gagcctaggc tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420
atagtgtcac ctaaattgcc gcacaattca ctggccgtcg tttacaacg tcgtgactgg 480
gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atccccctt cgccagctgg 540
cgtaatagcg aagaggcccg caccgatcgc ccttnccaac agttgcgcag cctgaatgg 599

<210> 42

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-258_m48_SZ (see Figure 3)

<400> 42

ccatatgac atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60
accgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgttgc 120
acaatcttgg ctactgcaa cctctgcccc ccaggttcaa acgattctcc tgcctcagcc 180
tcccagtag ctgggattat aggcacctgc caccagccc agctaatttt ttgcattttt 240
agtagagacg gggtttact atgttgcca ggctggtcta gaactcctga ccttgtgatc 300

cgcccgctt ggctcccaa actgctggga gtaatctgaa ttcgtcgaca agcttctcga 360
gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcgggccgc tgtattctat 420
agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga 480
aaaccctggc gttaccaaac 500

<210> 43
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-261_m50_Ctrl (see Figure 3)

<400> 43
tgacctgat tacgccaagc tctaatacga ctactatag ggaaagctcg gtaccacgca 60
tgctgcagac gcgttacgta tcggatccag aattcgtgat tggagggtgt ttcgcacaat 120
ctcagctcac cgaaacctcc gcctcacagg ttcaagtgat tcctctgcct cagccttctg 180
agtagctagg atgacaagca ttgccatga tacctggcta atttgtatt ttagtagag 240
accaggattc ttcattgtga taagggtggt cttgaactcc tgacctcaga tgatccatct 300
gatttggcct cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcg 360
agcctaggct agctctagac cacacgtgtg ggggcccag ctcgcgccg ctgtattcta 420
tagtgtcacc taaatggccg cacaattcac tggccgtcgt ttacaacgt cgtgactggg 480
aaaaccctgg cgttaccxaa cttaatcgcc 510

<210> 44
<211> 520
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-267_m50_Ctrl (see Figure 3)

<400> 44

ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60

cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt ttgggaggcc 120

aaatcagatg gatcatctga ggtcaggagt tcaagaacca cttatcaac atgaagaatc 180

ctggtctcta ctaaaaatac aaaattagcc aggtatcatg gcaaattgctt gtcacctag 240

ctactcagaa ggctgaggca gaggaatcac ttgaacctgt gaggcggagg tticggtgag 300

ctgagattgt gcaaacaccc tccaatctga attcgtcgac aagcttctcg agcctaggct 360

agctctagac cacacgtgtg ggggcccag ctcgcggccg ctgtattcta tagtgcacc 420

taaatggccg cacaattcac tggccgtcgt ttacaacgt cgtgactggg aaaaccctgg 480

gcgttaccca acttaatcgc cttgcagcac atccccctt 520

<210> 45

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (11)..(11)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<223> Alu sequence cloned from E-269_m50_Ctrl (see Figure 3)

<220>

<221> misc_feature

<222> (16)..(16)

<223> n is a, g, c, or t

<400> 45
 cttccaaagg ntaagntcta atattactca ctataggga agctcgccc cactcatgct 60
 gcagacgcgt tacgtattgg atccagaatt cgcgattgga ggggtgttgt acaatctctg 120
 ctcaccgaaa cctccgcctc acaggttcaa gtgatccctc tgcctcagcc ttctgagtag 180
 ctaggatgac aagcatttgc catgatacct ggctaatttt gtatttttag tagagaccag 240
 gattctttta tgttgataag gcggttctg aactcctgac ctgagattga ttcattgat 300
 ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcaacaag cttct 355

<210> 46
 <211> 601
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-285_m56_SZ (see Figure 3)

<400> 46
 ggtgagagat tacgccaagc tctaatacga ctactatag ggaaagctcg gtaccacgca 60
 tgctgcagac gcgttacgta tcggatccag aattcgtgat tgcctgtact cccagcagtt 120
 tgggaggctg aagtgggttg attacccgag gtcaggagtt ccagaccagg ttgaccaaca 180
 tggagaaacc ctgtctctac taaaataca aaattagcca ggtgtattgg tgcgtgcctg 240
 tattccagc tacttgggag gccgaggcag gagaatcgct ggaaccagg aggcgagggt 300
 tgtggtgagc tgagatttg caaacacccc ccaatctgaa ttcgtcgaca agcttctcga 360
 gcctaggcta gctctagacc acacgtgtgg gggcccagc tcgcggccgc tgtattctat 420
 agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga 480
 aaaccctggc gttaccaaac ttaatgcct tgcagcacat cccctttcg ccagctggcg 540
 taataagcga agaggcccg accgatcgcc ctttcaaca gttgcgcaag cctgaatggc 600

<210> 47
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-286_m56_SZ (see Figure 3)

<400> 47
gttctaatac gactcactat agggaaagct cgggtaccacg catgctgcag acgcgttacg 60
tatcggatcc agaattcgtg attggagggt gttgcacaa ttcagctca ccgaaacctc 120
cgcctcacag gttcaagtga ttctctgcc tcagccttct gagtagctag gatgacaagc 180
atttgccatg atacctggct aattttgtat ttttagtaga gaccaggatt cttcatgttg 240
ataagggtgt tcttgaactc ctgacctcag atgatccatc tgatttgcc tcccaaactg 300
ctgggagtac aggcaatctg aattcgtcga caagcttctc gaggctaggc tagctctaga 360
ccacacgtgt gggggcccga gctcgcggcc gctgtattct atagtgtcac ctaaattggcc 420
cgcacaattc actggccgtc gttttacaac gtcgtgactg ggaaaaccct ggcgttaccc 480
aacttaatcg ccttgacga catccccctt tcgccagctg gcgtaatagc gaagaagccc 540
gcaccgatcg ccttcccaa cagttgcgca gcctgaatgg cgaatggaaa ttgtaagcgt 600

<210> 48
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-287_m56_SZ (see Figure 3)

<400> 48
 taattaactc actataggga aagctcggga gcacgcatgc tgcatacgcg tttcgtatct 60
 ggatccagaa ttcgcgattg cctgtactcc cagcagtttg ggaggccaaa tcagatggat 120
 catctgaggc caggagtcca agaaccacct tatcaacatg aataatcctg gtctctacta 180
 aaaatacgaa attagccagg tatcatggaa aatgcttgct atcctagcta ctcagaaggc 240
 tgaggcagag gaatcacttg aacctgtgag gcggaggttt cggtagctg agattgggca 300
 aacaccctcc aatctgaatt cgtccgacaa gcttctcgag cctaggctag ctctagacca 360
 cacgctggg ggcccagct cgcgccgct gtattctatt 400

<210> 49
 <211> 453
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, g, c, or t

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-288_m56_SZ (see Figure 3)

<400> 49
 gttcagatct aatangactc actatcggga aagctcggca ccacgcatgc tgcagacgcg 60
 ttacgtatcc ggatccatga attcgtgatt gcctgtactc ccagcagttt gggaggccaa 120
 atcagatgga tcactgagg tcaggagttc aagaaccacc ttatcaacat gaagaatcct 180
 ggtctctact aaaaatacaa aattagccag gtatcatggc aaatgcttgt catcctagct 240
 actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggaggaggtt tcggtgagct 300
 gagattgtgc aaacaccctc caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360

ctctagacca cacgtgtggg ggcccgagct cgcggccgct gcattctata gtgtcaccta 420

aatggccgca caattcactg gccgtcgttt tta 453

<210> 50

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-289_m56_SZ (see Figure 3)

<400> 50

ttacgccaaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60

cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt ttgggaggcc 120

aaatcagatg gatcatctga ggtcaggagt tcaagaacca ccttatcaac atgaagaatc 180

ctggtctcta ctaaaaatac aaaattagcc aggtatcatg gcaaattgctt gtcacctag 240

ctactcagaa ggctgaggca gaggaatcac ttgaacctgt gaggcggagg ttccggtgag 300

ctgagattgt gcaaacaccc tccaatctga attcgtcgac aagcttctcg agcctaggct 360

agctctagac cacacgtgtg ggggcccag ctcgcggccg ctgtattcta tagtgcacc 420

taaatggccg cacaattcac tgggccgtcg tttacaacg tcgtgactgg gaaaaccctg 480

gcgttaccca acttaatcgc cttgcagcac atccccctt cgccagctgg cgtaatagcg 540

aagaggccgc accgatgcc cttccaaca gttgcgcagc ctgaatggcg aatggaaatt 600

g

601

<210> 51

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-290_m56_SZ (see Figure 3)

<400> 51

atattgatca tgattacgcc aacgctctaa tacgactcac tatagggaaa gctcgttacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgcct gtactccag 120

cagtttggga ggctgaagtg ggttgattac ccgaggtcag gagttacaga ccaggttgac 180

caacatggag aaacctgtc tctactaaaa atacaaaatt agccaggtgt attggtgcgt 240

gcctgtaac ccagctactt gggaggccga ggcaggagaa tcgctggaac ccaggaggcg 300

gaggttgagg tgagctgaga ttgtgcaaac accctccaat ctgaattcgt cgacaagctt 360

ctcagaccta ggctagctct agaccacacg tgtggggggc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcaactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggtac ccaacttaat cgccttgag cacatcccc ttccgccagc 540

tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc 580

<210> 52

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (469)..(469)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<223> Alu sequence cloned from E-291_m56_SZ (see Figure 3)

<220>

<221> misc_feature

<222> (490)..(490)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<222> (508)..(508)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<222> (538)..(538)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<222> (550)..(550)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<222> (552)..(552)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<222> (557)..(557)

<223> n is a, g, c, or t

<400> 52

tgaccatgat tacgccaagc tctaatacga ctactatag ggaaagctcg gtaccacgca 60

tgtgcagac gcgttacgta tcggatccag aattcgtgat tggagggtgt ttgcacaatc 120

tcagctcacc gaaacctccg cctcacaggt tcaagtgatt cctctgcctc agccttcaga 180

gtagctagga tgacaagcat ttgcatgat acctggctaa tttgtattt ttagtagaga 240

ccaggattct tcatgttgat aagggtgtcc ttgaactcct gacctcagat gatccatctg 300

atttggcctc ccaaactgct gggagtacag gcaatctgaa ttctcgaca agcttctcga 360

gcctaggcta gctctagacc acaccgtgtg ggggcccag ctcgcgccg ctgtattcta 420
tagtgcacc taaatggccg cacaattcac tggccgtcgt ttacaacnt cgtgactggg 480
aaaaccctgn cgttaccca cttaatcncc ctgcagcac atccccctt cgcccagnct 540
gggcgtaatn ancgaanagg cccgcacccg atcgccct 579

<210> 53
<211> 530
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Alu sequence cloned from E-292_m56_SZ (see Figure 3)

<400> 53
acgtcacgt ctaatacgac tcactatagg gaaagctcgg taccacgcat gctgcagacg 60
cgttacgtat cggatccaga attcgtgatt gcctgtactc ccagcagttt gggagggcaa 120
atcagatgga tcactgagg tcaggagttc aagaaccacc ttatcaacat gaagaatcct 180
ggtctctact aaaaatacaa aattagccag gtatcatggc aaatgcttgt catcctagct 240
actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcggagggt tcggtgagct 300
gagattgtgc aaacaccctc caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360
ctctagacca cacgttgtgg gggcccagagc tcgcgccgc tgtattctat agtgcacct 420
aaatgggcgc acaattcact ggccgtcgtt ttacaacgtt cgtgactggg aaaaccctgg 480
cgttaccaa cttaatgcc ttgcagcac atccccctt tcgccagct 530

<210> 54
<211> 600
<212> DNA
<213> Homo sapiens
<220>

<221> misc_feature

<223> Alu sequence cloned from E-293_m56_SZ (see Figure 3)

<400> 54

tatgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtagcacg 60
catgcttgca gacgcgttac gtatcggatc cagaattcgt gattggagggt tgtttgcaca 120
atctcagctc accgaaacct ccgcctcaca ggttcaagtg attcctctgc ctacgccttc 180
tgagtagcta ggatgacaag catttgccat gatacctggc taattttgta ttttagtag 240
agaccaggat tctcatgtt gataagggtg ttctgaact cctgacctca gatgatccat 300
ctgatttggc ctcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct 360
cgagcctagg ctagctctag accacacgtg tgggggccc agctcgcggc cgctgtattc 420
tatagtgtca cctaatggc cgcacaattc actgggccgt cgttttaca cgtcgtgact 480
gggaaaaccc tggcgttacc caacttaatc gccttgacgc acatccccct ttcgccagct 540
ggcgtaatag cgaagaggcc gcacccgatc gcccttcca acagttgcgc agcctgaatg 600

<210> 55

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-294_m740_SZ (see Figure 3)

<400> 55

ttacgccacg ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60
cgcgttacgt atcggatcca gaattcgtcg attggagggt gtttgcacaa tctcagctca 120
ccgaaacctc cgcctcacag gttcaagtga ttctctgcc tcagccttct gagtagtag 180
gatgacaagc atttgccatg atacctggct aattttgtat ttttagtaga gaccaggatt 240

cttcatgttg ataaggtggt tcttgaactc ctgacctcag atgatccatc tgatttgcc 300

tcccaaactg ctgggagtac aggcaatctg aattcgtcga caagcttctc gagcctaggc 360

tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct atagtgtcac 420

ctaaatggcc gcacaattca ctggccgtcg tttacaacg tcgtgactgg gaaaaccctg 480

gcgttaccca acttaatcgc cttgcagcac atccccctt cgccagctgg cgtaatagcg 540

aagaggcccg caccgatcgc ccttccaac agttgcgcag 580

<210> 56

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-295_m740_SZ (see Figure 3)

<400> 56

tatgaccatg attagccaa gctctaatac gactcactat agggaaagct cggtagcacg 60

catgcttgca gacgcgttac gtatcggatc cagaattcgt gattggaggg tgtttgcaca 120

atctcagctc accgaaacct ccgcctcaca ggttcaagtg attcctctgc ctacgccttc 180

tgagtagcta ggatgacaag catttgccat gatacctggc taattttgta ttttagtag 240

agaccaggat tcttcatgtt gataaggtgg ttcttgaact cctgacctca gatgatccat 300

ctgatttggc ctcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct 360

cgagcctagg ctatctctag accacacgtg tgggggccc agctcgcggc cgctgtattc 420

tatagtgtca cctaaatggg ccgcacaatt cactgggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggttac ccaacttaat cgccttgcag cacatcccc ttccgcagc 540

tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagtttgc gcagcctgaa 600

<210> 57
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-296_m57_Ctrl (see Figure 3)

<400> 57
caagctctaa tacgactcac tatagggaag gctcgggtacc acgcatgctg cagacgcgtt 60
acgtatcgga tccagaattc gtgattggag ggtgtttgca caatctcagc tcaactgcaac 120
ctctgcctcc tgggttcaat tcattctcct gcctcagcct tccgagtagc tgggattaca 180
ggcatgccc gctaattttt gtatttttag cagagatcgg ggttttgcca tgtgcccag 240
gctggtctcg aactcctaac ctgtgatct gccacctcg gcctccaaa ctgctgggag 300
tacaggcaat ctgaattcgt cgacaagctt ctgagccta ggctagctct agaccacacg 360
tgtgggggcc cgagctcgcg gccgctgtat tctatagtgt cacctaaatg ggccgcacaa 420
ttcactgggc cgtcgtttt acaacgtcgt gactgggaaa accctgggcg ttaccaact 480
taatgcctt tgcagcacat cccctttcg ccagcttggc 520

<210> 58
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-297_m740_SZ (see Figure 3)

<400> 58
tatgaccatc attacgcaa gctctaatac gactcactat agggaaagct cggtaccacg 60
catgctgcag acgcgttacg tatcggtacc agaattcgtg attggagggt gttgcacaa 120

tctcagctca ccgaaacctc cgcctcacag gtccaagtga ttctctgcc tcagccttct 180
 gagtagctag gatgacaagc atttgccatg atacctggct aattttgtat ttttagtaga 240
 gaccaggatt ctcatgttg ataagggtgt tcttgaactc ctgacctcag atgatccatc 300
 tgatttgcc tcccaaactg ctgggagtag aggcaatctg aattcgtcga caagcttctc 360
 gaggctaggc tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420
 atagtgtcac ctaaattggc gcacaattca ctggccgtcg tttacaacg tcgtgactgg 480
 gaaaaccctg gcgttaccca acttaatgc cttgcagcac atccccctt cgccagctgg 540
 cgtaatagcg aagaggccgc accgatcgcc ctccaaca gtgcgcagc ctgaatggcg 600
 atgggaaatt 610

<210> 59
 <211> 499
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-298_m57_Ctrl (see Figure 3)

<400> 59
 gtcccgatct aatacgaact actataggga aagctcggtt ccacgcatgc tgcagacgcg 60
 ttacgtatcg gatccagaat tcgtgattgg aggtgtttg cacaatctca gtcaccgaa 120
 acctccgcct cacaggttca agtgattcct ctgcctcagc ctctgagta gctaggatga 180
 caagcatttg ccatgatacc tggctaattt tgtattttta gtagagacca ggattcttca 240
 tcgttgataa ggtggttctt gaactcctga cctcagatga tccatctgat ttggcctccc 300
 aaactgctgg gactacaggc aatctgaatt cgtcgacaag ctctcagac ctaggctagc 360
 tctagaccac acgtgtgggg gcccgagctc gcggccgctg tattctatag tgcacccta 420
 aatggccgca caattcactg ggccgtcgtt ttacaacgtc gtgactggga aaaccctggg 480

cgttacccca acttaatcg

499

<210> 60
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<223> Alu sequence cloned from E-299_m57_Ctrl (see Figure 3)

<400> 60
gtcaagatcg aataggactc actataggga aagctcggta ccacgcatgc tgccgacgcg 60
ttacgtatcg gatccagaat tcgtgattgc ctgtactccc agcactttgg gagggcaaat 120
cagatggatc atctgaggtc aggagttcaa gaaccatcct tatcaacatg aagaatcctg 180
gtctctacta aaaatacaac attagccagg tatcatggca aatgcttgtc atcctagcta 240
ctcacaaggc tgaggcagag gaatcacttg aacctgtgag gcgaggttt cggtgagctg 300
agattgtgca aacaccctcc aatctgaatt cgtcgacaag ctctctcgag cctaggctag 360
ctttaganca cacgtgtggg ggc 383

<210> 61
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-300_m57_Ctrl (see Figure 3)

<400> 61

gttgaaacgg caagatctaa tacgactcac tatagggaaa gctcggcact acgcatgctg 60
cagacgtgtt gacgtatcgg atccagaatt cgtgattgga gggcgtttgc gcaatcttga 120
ctaactgcaa catctgcctc ccaggctcaa gcaattctgc ctcagtttgc tgagcagctg 180
ggattacaga tgagcactac catgacaggc taattttat attttacta gaggcgggga 240
ttcaccatgt cggccagggt ggatcatgaac tcctgacctc aggcgattca cctgcctccg 300
cctcccaaac tgctgggagt acaggcaatc tgaattcgtc gacaagcttc tcgagcctag 360

<210> 62

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-304_m57_Ctrl (see Figure 3)

<400> 62

ctacgtacgc tctaatacga ctactatag ggaaagctcg gtaccacgca tgctgcagac 60
gcgttacgta tcggatccag aattcgtgat tggagggtgt ttgcacaatc tcagctcacc 120
gaaacctccg cctcacaggt tcaagtgatt cctctgcctc agccttctga gtagctagga 180
tgacaagcat ttgcatgat acctggctaa tttgtattt ttagtagaga ccaggattct 240
tcattgtgat aaggcgggtc ttgaactcct gacctcagat gatccatctg atttggcctc 300
ccaaactgct gggagtacag gcaatctgaa ttcgtcgaca agcttctcga gcctaggcta 360
gctctagacc acacgtgtgg gggcccagagc tcgcgccgcg tgtattctat agtgtcacct 420
aaatggcccc cacaattcac tggccgtcgt ttacaacgt cgtgactggg aaaaccctgg 480
cgttacccaa cttaatgcc ttgcagcaca tcccccttc gccagc 526

<210> 63

<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-305_m740_SZ (see Figure 3)

<400> 63
ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60
cgcggttacgt atcggtacca gaattcgga ttggagggtg ttgcacaat ctgagctcac 120
cgaaacctcc gcctcacagg ttcaagtgat tcctctgcct cagccttctg agtagctagg 180
atgacaagca ttgccaatga tacctggcta atttgtatt ttagtagag accaggattc 240
ttcatgttga taaggtggtt cttgaactcc tgacctcaga tgatccatct gatttgcct 300
cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcc gagcctaggc 360
tagctctaga ccacacgtgt gggggccgag ctgcggccg ctgtattcta tagtgcacc 420
taaattggccg cacaattcac tgccgctgt tttacaacg 460

<210> 64
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-308_m74_SZ (see Figure 3)

<400> 64
ttacgtcaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60
cgcggttacgt atcggtacca gaattcgtga ttggagggtg ttgcacaat ctgagctcac 120
cgaaatctcc gcctcacagg ttcaagtgat tcctctgcct cagccttctg agtagctagg 180
atgacaagca ttgccaatga tacctggcta atttgtatt ttagtagag accaggattc 240

ttcatgttga taagggtggt ctgaactcc tgacctcaga tgatccatct gatttggcct 300

cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcg agcctaggct 360

agctctagac cacacgtgtg ggggcccagag ctgcggccg ctgtattcta tagtgcacc 420

taaatggccg cacaattcac tggccgtcgt tt 452

<210> 65

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-309_m74_SZ (see Figure 3)

<400> 65

aggcaagatc taatacgact cactataggg aaacgctcgg taccacgcat gctgcagacg 60

cgttacgtat cggatccaga attcgtgatt gcctgtactc ccacgcagt tgggaggcca 120

aatcagatgg atcatctgag gtcaggagtt caagaaccac cttatcaaca tgaagaatcc 180

tggctcttac taaaataca acattagcca ggtatcatgg caaatgcttg tcacctagc 240

tactcagaag gctgaggcag aggaatcact tgaacctgtg aggcggaggt ttcggtgagc 300

tgagattgcg caaacaccct ccaatctgaa ttctctgac aagcttctcg agcctaggct 360

agctctagac cccacgtgtg ggggcccagag ctgccgtcg ctgtatttct atagtcgtc 419

<210> 66

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-310_m74_SZ (see Figure 3)

<400> 66

ttacgtcacc gctctaatac gactcactat agggaaagct cggtagcacg catgctgcag 60

acgcgttacg tatcggatcc agaattcgtg attggagggt gtttgacaaa ttcagctca 120

ctgcaacctc tgcctctcag gttaagtga ttctcctgcc tcctcctccc cagtagctgg 180

gtttacaggc atgcaccacc acagctggct aatttttga ttttagtag agatgggggt 240

tcaccatgtt ggacaggcta gtctgaact cctgacctca agtgatccac ccgcctcagc 300

ctctcaaact gctgggagta caggcaatct gaattcgtcg acaagcttct cgagcctagg 360

ctagctctag accacacgtg tgggggcccc agctcgcggc cgctgtattc tatagtgtca 420

cctaaatggg ccgcacaatt cactggccgt ccgtttaca acgtccgtga ctgggaaaac 480

cctggcgta cccaactaa 500

<210> 67

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-311_m74_SZ (see Figure 3)

<400> 67

aaacgccaaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60

cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt ttgggaggcc 120

gaggtgggtg gatcacctga ggctgagagt tcgagaccag cctagccaac atggtgaaac 180

cctgtctcta ctaaaaatac aaaaattagc caggcaaggc agcacacgcc tgtaattcca 240

cctactcggg atgctgaggc atgagaatcg ctgaaacctg ggaggtggag cttgcagtga 300

actgagattg tgcaaacacc ctcaatctga attcgtcgac aagcttctcg agcctaggct 360

agctctagac cacacgtgtg gggggcccgag ctcgccggcc gctgtattct attagtgtca 420

cctaaatggg ccgcacaatt cactggccgt ccgtttaca acgtcgtgac tgggaaaacc 480

<210> 68

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-312_m74_SZ (see Figure 3)

<400> 68

cgaatagcag tactatacgg aaagctcgg accacgcatg ctgcacacgc gttacgcatc 60

ggatccagaa ttcgtgattg cctgtactcc cagcagtttg ggagggcaaa tcagatggat 120

catctgaggt caggagtcca agaaccacct tatcaacatg aagaatcctg gtctctacta 180

aaaatacaaa attagccagg tatcatcggc aaatgcttcg tcaccttagc tactcagaag 240

gctgaggcag aggagtcaat tgaacctgtg aggcggagga aacggcgaga tgagattgtg 300

caaacacct ccaattgaa attcgtcgac aagcttctcc gagctctagg ctgctctag 360

acccacacgt gtgggggccc cgagctcgcg 390

<210> 69

<211> 547

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-313_m74_SZ (see Figure 3)

<400> 69

tatgacatga ttacgccaaag ctctaatacg actcactata gggaaagctc ggtaccacgc 60

atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt 120

ttgggaggct gagacaggtg gaacacttga ggccaggagt ttgcaaccag cctggccaac 180

atggtgaaac cctatctcta ccacaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattagc 240
 ctggcatggt ggtgcgtgcc tgtaatccca gctactcagg aggctgaggc acgagaatcg 300
 ctgaacccg gtgggcaagg gttgcagcga tccgagattg tgcaaacacc ctccaatctg 360
 aattcgtcga caagcttctc gagcctaggc tagctctaga ccacacgtgt gggggcccga 420
 gctcgcggcc gctgtattct atagtgtcac ctaaatggcc gcacaattca ctggccgtcg 480
 tttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaatcgct ctgcagcac 540
 atccccc 547

<210> 70
 <211> 579
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-315_m74_SZ (see Figure 3)

<400> 70
 tgattacgcc aagctcta acgactcact atagggaag ctcggtacca cgcatgctgc 60
 agacgcgtta cgtatcggat ccagaattcg tgattggagg gtgtttgcac aatctcggct 120
 cactgcaact tctgcctcct gggttcacac tgttctctg cctaagcctc ccaagtagct 180
 gggactacag gcgcgtgcca ccatgcccg ctaattttt gtatttttag tagagaaggg 240
 gtttcaccgt gttagccagg atggtctcga tctcctgata ttgtgatcca cccgcctcgg 300
 cctctcaaac tgctgggagt acaggcaatc tgaattcgtc gacaagcttc tcgagcctag 360
 gctagctcta gaccacacgt gtggggggccc gagctcgagg ccgctgtatt ctatagttc 420
 acctaaatgg ccgcacaatt cactggccgt cgttttacaa cgtcgtgact gggaaaaccc 480
 tggcgttacc caacttaac gccttcgagc acatccccct ttcgccagct ggcgtaatag 540
 cgaagaggcc gcaccgatcg cccttcccaa cagttgcgc 579

<210> 71
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-314_m74_SZ (see Figure 3)

<400> 71
attacgcaa gctctaatac gactcactat agggaaagct cggtaccacg catgctgcag 60
acgcgttacg tatcggatcc agaattcgtg attggagggt gtttgcacaa tctcggctca 120
ctgcaacttc tgcctcctgg gttcacactg ttctcctgcc taagcctccc aagtagctgg 180
gactacaggc gcgtgccacc atgcccggct aatttttgt atttttagta gagaaggggt 240
ttcaccgtgt tagccaggat ggtctcgatc tctgatatt gtgatccacc cgcctcggcc 300
tctcaaactg ctgggagtac aggcaatctg aattcgtcga caagcttctc gagcctaggc 360
tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct atagtgtcac 420
ctaaatggcc gcacaattca ctggccgtcg tttacaacg tcgtgactgg gaaaaccctg 480
gcgttaccca acttaatcgc cttgcagcac atccccctt cgccagctgg cgtaatagcg 540
aagaggccgc accgatcgcc ctt 563

<210> 72
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-319_m74_SZ (see Figure 3)

<400> 72
tatgacatg attacgcaa gctctaatac cgactcacta tagggaaacg ctcggtacca 60

cgcattgctgc agacgcgtta cgtatcggat ccagaattcg tgattgctg tactcccagc 120
 agtttgggag gccgaggtgg gtggatcacc tgaggtcagg agttcgagac cagcctggcc 180
 aacgtagtga aaaccccatc tctactaaaa atacaaaaaa acttagccag ggggtggtgt 240
 gggcacctat aatcccagct acttaggagg ctgaggctgg agaatcggtt gaacctggga 300
 gggagagggt gcagtgagct gagattgtgc aaacaccctc caatctgaat tcgtcgacaa 360
 gcttctcgag cctaggctag ctctagacca cacgtgtggg ggcccagct cgcgccgct 420
 gtattctata gtgtcaccta aatggccgca caattactg ggccgtcgtt ttacaacgtc 480
 gtgactggga aaaccctggc gttacccaac ttaatcgct tgcagcacat cccctttcg 540
 ccagctggcg taataacgaa gaggccgcac cga 573

<210> 73
 <211> 650
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Alu sequence cloned from E-320_m74_SZ (see Figure 3)

<400> 73
 atgattacgc caagctctaa tacgactcac tatagggaaa gtcggtacc acgcatgctg 60
 cagacgcgtt acgtatcgga tctgaattcg tcgacaagct tctcgagcct aggctagctc 120
 tagaccacac gtgtgggggc ccgagctcgc ggccgctgta ttctatagtgc tcacctaaat 180
 ggccgcacaa ttactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcgta 240
 cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat agcgaagagg 300
 cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg aaattgtaag 360
 cgtaaatatt ttgttaaat tcgcgttaaa ttttgttaa atcagctcat ttttaacca 420
 ataggccgaa atcggcacaaa tcccttataa atcaaaagaa tagaccgaga tagggttgag 480

tgttgtcca gtttgaaca agagtcact attaaagaac gtggactcca acgtcaaagg 540

gcgaaaaacc gtctatcagg gcgatggccc actacgtgaa ccatcaccct aatcaagttt 600

tttggggtcg aggtgccgta aagcactaaa tcggaaccct aaagggagcc 650

<210> 74

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-321_m74_SZ (see Figure 3)

<400> 74

tatgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtagccag 60

catgctgcag acgcgttacg tatcggtacc agaattcgtg attggagggt gtttcacaa 120

tctcggtcca ctgcaacttc tgctcctgg gttcacactg ttctcctgcc taagcctccc 180

aagtagctgg gactacaggc gcgtgccacc atgcccggct aatttttgt attttagta 240

gagaaggggt ttaccgtgt tagccaggat ggtctcgatc tcctgatatt gtgatccacc 300

cgctcggcc tctcaaactg ctgggagtag aggcaatctg aattcgtcga caagcttctc 360

gagcctaggc tagctctaga ccacagtgt gggggccga gctcgcggcc gctgtattct 420

atagtgtcac ctaaattgcc gcacaattca ctgggccgtc gttttacaac gtcgtgactg 480

ggaaaaccct ggcgttacc aacttaatcg ccttcagca catccccctt tcgccagctg 540

gcgtaatagc gaagaggccc gcacccgac gcccttccca acagttgcgc agcctgaatg 600

<210> 75

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-322_m74_SZ (see Figure 3)

<400> 75

acgtacgctc taatacgaact cactataggg aaagctcggg accacgcatg ctgcagacgc 60

gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt gcacaatctt ggctcactgt 120

aacctctgcc tcctgggttc aagtaattct cctgtctcag cctcctgagt agctaggatt 180

actggtgccc gccaccatgc ccggcgaatt ttgtatttt tagtagagat ggggtttcac 240

tatgttcccc aggggtgtct caaactcctg acctcaagtg atccacctgc ttcagcttcc 300

caaactgctg ggagtacagg caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360

ctctagacca cacgtgtggg ggcccagct cgcgccgct gtattctata gtgtcaccta 420

aatggccgca caattcactg gccgtcgttt tacaacgtcg tgactgggaa aacctggcg 480

ttaccaact taatcgcttg cagcacatcc ccccttcgc cagctggcgt aatagcgaag 540

aggcccgcac ccgatgccc cttccaaca gttgcgcagc ctgaatggcg aatggaaatt 600

<210> 76

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-323_m74_SZ (see Figure 3)

<400> 76

aaacgcaagc tctaatacga ctactatag ggaaagtgc gtaccacgca tgctgcagac 60

gcgttacgta tcggatccag aattcgtgat tgcctgtact ccagcacgt ttgggaagcc 120

gaggtgggaa gatcgcttcg aggtcaggag ttcaagacca gcctggccaa catggcaaaa 180

cctcgtctct actaaaaata caaaacttag ccaggccgtg ttggcatcgc acctatagtc 240

cctgctaadc aggaggctga ggcttgaaca tgggagggtgg aggctgcagt gagctgagat 300

tgtgcaaaca cccccaatc tgaattcgtc gacaagcttc tcgagcctag gctagctcta 360

gaccacacgt gtggggggccc gagctcgcgg ccgctgtatt ctatagt 407

<210> 77

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-324_m74_SZ (see Figure 3)

<400> 77

gttaagatct aatacgactc actataggga aagctcggta ccacgcatgc tgcagacgcg 60

ttacgtatcg gatccagaat tcgtgattgg aggggtgttg cacaatctca gctcactgca 120

acctccacct ctacgactca agtgattatc ccacctcaac ctccaagta gcagggactg 180

aagggtgtgct ttgccacgcc cagctaattt ttgtatttt ttgtagagac ggattttcac 240

catgtagccc aggctgggtct caaactcctg agcttaagcg atccaccttc ctggacctcc 300

caaactgtcg ggagtacagg caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360

ctctagacca cacgtgtggg ggccccgagct cgcggccgct gtattctata gtgtcaccta 420

aatgggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaaccctggc 480

gttacccaac ttaatgcct tgcagcacat cccctttcgc ccagctggcg taatagcgaa 540

gaggccgcac cgatcgccct tcccacagtt gcgcagcctg aatggcgaat ggaaatttaa 600

<210> 78

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-325_m74_SZ (see Figure 3)

<400> 78

cagctatgac catgattacg ccaagctcta atacgactca ctataggga agctcggtac 60

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgc ctgtactcc 120

cagcagtttg ggaggctgag gcaggatgaat cacctgaggt caggagtca tgaccagcct 180

ggccaacatg gtgaaacccc gccttacta aaaatataaa aattagcctg tcatggtagt 240

gctcatctgt aatcccagct gctcaggaag ctgaggcaga atttgctga acctgggagg 300

cagatgttgc agttagtcaa gattgtgcaa acaccctca atctgaattc gtcgacaagc 360

ttctcgagcc taggctagct ctgaccaca cgtgtggggg cccgagctcg cggccgctgt 420

attctatagt gtcacctaaa tggccgcaca attcactggc cgtcgttta caacgtcgtg 480

actgggaaaa cctggcgta c 501

<210> 79

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-149_m48_SZ (see Figure 3)

<400> 79

acgcttcaa ggattcaaca agctctaata cgactcacta tagggaaagc tcggtaccac 60

gcatgctgca gacgcgttac gtatcggaac cagaattcgt gattagggtg ttgcacaat 120

ctcggctcat tgtaacctct gcctcccagg ttgcagtgat tctcctgtct cagcctcca 180

agtagctggc attacaggtt cccaccacta cacccaacta attttgtat ttttagcaga 240

aatgggggtt ccccatgttg acctggctgg tctcgaactc ctgaccttgt gatctgcccg 300

ccttggcctc ccaaactgct gggagtagac gcaatctgaa ttcgtcgaca agcttctcga 360
 gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcgccgc tgtattctat 420
 agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga 480
 aaaccctggc gttaccaaac ttaatgcct tgcagcacat cccctttcg ccagctggcg 540
 taatagcgaa gagggccgca ccgatcgccc ttccaacag ttgcgcagcc tgaatggcga 600

<210> 80
 <211> 480
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Alu sequence cloned from E-302_m57_Ctrl (see Figure 3)

<400> 80
 gattacgcca agctctaata ctactcacta tagggaaagc tcggtaccac gcatgctgca 60
 gacgcgttac gtatcgatc cagaattcgt gattggaggg tgttgcaca atctcagctc 120
 accgaaacct ccgcctcaca ggttcaagtg attcctctgc ctcagccttc tgagtagcta 180
 ggacgacaag catttgccat gatactggc taattttgta ttttagtag agaccaggat 240
 tcttcatgtt gataaggtgg ttctgaact cctgacctca gatgatccac ctgatttggc 300
 ctcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct cgagcctagg 360
 ctgctctag accacacgtg tgggggccc agctcgcggc cgctgtattc tatagtgtca 420
 cctaaatggc cgcacaattc actggccgtc gttttacaac gtcgtgactg ggaaaacctg 480

<210> 81
 <211> 610
 <212> DNA
 <213> Homo sapiens

 <220>

<221> misc_feature

<223> Alu sequence cloned from E-119m57Ctrl (see Figure 3)

<400> 81

cagctatgac catgattacg ccaagctcta atacgactca ctataggga agctcggtac 60

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgcc tgtactccca 120

gcagtttggg aggagaggc aggtggatca cctgaggctg ggagttcgag aaccgcctga 180

ccaacatgga gaaaccccggt ctctgctaaa aatacaaaat tagctaggta tgggtgtact 240

tgcccgtaat ccagctatt cagaaggctg aggcaggaga gtcactgaa cccaggagtc 300

agaggttgca gtcagctgag attgtgcaaa caccctcaa tctgaattcg tcgacaagct 360

tctcagcct aggttagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta 420

ttctatagtg tcacctaaat ggccgcacaa ttactggcc gtcgttttac aacgtcgtga 480

ctgggaaaac cctggcgta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540

ctggcgtaat agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa 600

tggcgaatgg 610

<210> 82

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-120m57Ctrl (see Figure 3)

<400> 82

aatagctatg cccatgatta cgccaagctc taatacgact cactataggg tatgctcgga 60

gctaggcatg ctgcagacgc gttacgcatt acgatccaga atccagagat tggaggtggc 120

tggcgtaata tcggttagt gggacctgtg cctccgggtt ccaggtgttg ctagtgttg 180

aacctcctga gcatcattgg ataacagtag cctctcacca tgctcatctt gtgcttgat 240
 tgggtggcagc ggtccaccat gccggttatg ctgaactcgg actcatcacc ttaaattaac 300
 cacctgcctc agactccgaa actgctggta gtacaggcaa tctgcattcg tctgcattct 360
 tctacagcct aggctagcta tagaccacac ttgaccacgg cccgagctcc cggccgcttg 420
 gattctatag tgctatataa aggccccaac aattcactgc accgtagttt 470

<210> 83
 <211> 620
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-166m50Ctrl (see Figure 3)

<400> 83
 aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggt 60
 accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt 120
 gcacaatctc ggcccactgc aacctccgcc tcccgggtgc aagcagttct cctacctcag 180
 cctcctgagt agctaggatt acaggcacac ctggctaatt ttgtggtttt agtagagacg 240
 gcgtttcacc atgttggcta ggctggctc gaactcctca cctcaaatga tccacctgcc 300
 tcagcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag cttctcgagc 360
 ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg tattctatag 420
 tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 480
 accctggcgt tacccaactt aatgccttg cagcacatcc cccttcgcc agctggcgta 540
 atagcgaaga ggcccgacc gatgccttc ccaacagttg cgcagcctga atggcgaatg 600
 gaaattgtaa gccgttaata 620

<210> 84
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-167m50Ctrl (see Figure 3)

<400> 84
actttatgac atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120

caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180

tctgagtagc taggatgaca agcatttgcc atgataacctg gctaattttg tatttttagt 240

agagaccagg attcttcattg ttgataaggt ggttcttgaa ctctgacct cagatgatcc 300

atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360

ctcagaccta ggctagctct agaccacacg tgtggggggc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggttac ccaacttaat cgccttgag cacatcccc ttctgccagc 540

tggcgtaata gcgaagaggc cgcaccgat cgccttccca acagttgcgc agcctgaatg 600

<210> 85
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-169m50Ctrl (see Figure 3)

<400> 85
aagcttgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgcct gtactcccag 120
cagtttggga ggctgaagtg ggttgattac ccgaggtcag gagttccaga ccaggttgac 180
caacatggag aaacctgtc tctactaaaa atacataatt agccaggtgt attggagcgt 240
gcctgtattc ccagctactt gggaggccga ggcaggagaa tctgctggaa cccacgatgg 300
cggaggttgt ggagagctga gattgtgcaa acacctcca atctgaattc gtctacaagc 360
ttctcgagcc taggttagct ctagaccaca cgtgtggggg cccgagctcg cggacgctgt 420
attctatagt gtcacctaaa tggccgcaca attcactggc cgacgttta caacgtggtg 480

<210> 86
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-270m50Ctrl (see Figure 3)

<400> 86
ctcactatag ggaaagctcg gtaccacgca tgctgcagac gcgttacgta tcggatccag 60
aattcgtgat tgcctgtact cccagcagtt tgggaggcca aatcagatgg atcatctgag 120
gtcaggagtt caagaaccac cttatcaaca tgaagaatcc tggctctac taaaaataca 180
aaattagcca ggtatcatgg caaatgcttg tcacctagc tactcagaag gctgaggcag 240
aggaatcact tgaacctgtg aggcggaggt ttcggtgagc tgagattgtg caaacaccct 300
ccaatctgaa ttcgtcgaca agcttctcga gcctaggcta gctctagacc acacgtgtgg 360
gggcccagc tcgcggccgc tgtattctat agtgtcacct aaatggccgc acaattcact 420
ggccgtcgtt ttacaacgtc gtgactggga aaacctggc gttaccaaac ttaatcgct 480
tgcagcatat cccctttcg ccagctggcg taatagcgaa gaggcccgca ccgatcgccc 540
ttccaacag ttgcgcagcc tgaatggcga atggaaattg taagcgtaa tattttgta 600

aaattcgcgt

610

<210> 87

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-271m50Ctrl (see Figure 3)

<400> 87

ttgcccatgc ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc 60

atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttggagggtg ttgcacaat 120

ctcagctcac catgacctct gcctcctggg ttcaagcgat tcctcggact cagcctcctg 180

agtagctgga attacaggga ttcgccacca tgcccagcta atttgtatg ttagtagag 240

acagggttcc tccaaattgg tcaggctggt ctggaactcc cgacctcagg tgatccgccc 300

gccttggcct cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcg 360

agcctaggct agctctagac cacacgttg ggggcccag ctcgcggccg ctgtattcta 420

tagtgtcacc taaatggccg cacaattcac tggccgtcgt ttacaacgt cgtgactggg 480

aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tcccccttc gccagctggc 540

gtaatagcga agaggcccg accgatcgcc ctccaaca gttgcgcagc ctgaatggcg 600

a

601

<210> 88

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-272m50Ctrl (see Figure 3)

<400> 88

caataccgct tgacatgat tacgccaagc tctaatacga ctactatagg gaaagctcgg 60
taccacgcat gctgcagacg cgttacgtat cggatccaga attcgtgatt ggagggtgtt 120
tgcacaatct cagctcactg cagcctctc cctctgaggt caagtatac tgctgcctca 180
gcctcctgag tagctgggat tacaggcacc caccaccaac cctggccaat tttgtattt 240
ttagtagaga cagagtttca ccatgctggc caggctggtc tcaaactcct gccctcagat 300
gttccacca ccttggcctc ccaaactgct gggagtacag gcaatctgaa ttcgtcgaca 360
agcttctcga gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcggccgc 420
tgtattctat agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc 480
gtgactggga aaacctggc gttaccaac ttaatcgct tcgagcacat cccctttcg 540
ccagctggcg taatagcgaa gagggccgca ccgatcgccc ttccaacagt tgcgcagcct 600

g

601

<210> 89

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-273m50Ctrl (see Figure 3)

<400> 89

gctcgggtacc acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag 60
ggtgtttgca caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct 120
gcctcagcct tctgagtagc taggatgaca agcatttggc atgatacctg gctaattttg 180
tatttttagt agagaccagg attctttatg ttgataaggt ggttcttgaa ctctgacct 240
cagatgatcc atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt 300

cgacaagctt ctcgagccta ggctagctct agaccacacg tgtggggggcc cgagctcgcg 360

gccgctgtat tctatagtgt cacctaaatg gccgcacaat tcttggccg gcgttttaca 420

acgtcgcgac tgggaaaacc ctggcggtac ccaactaat cgccttgag cacatcccc 479

<210> 90

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-275m50Ctrl (see Figure 3)

<400> 90

accatgatta cgccaagctc taatacgact cactataggg aaagctcggg accacgcatg 60

ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt gcacaatctc 120

agtcaccga aacctccgcc tcacaggttc aagtgattcc tctgcctcag ccttctgagt 180

agctaggatg acaagcattt gccatgatac ctggctaatt ttgtattttt agtagagacc 240

aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga tccatctgat 300

ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag cttctcgagc 360

ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg tattctatag 420

tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 480

accctggcgt tacccaactt aatcgccttg cagcacatcc cccttcgcc agctggcgta 540

atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 600

<210> 91

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-279m50Ctrl (see Figure 3)

<400> 91

aagaccatga taacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc 60
atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttggagggtg ttgcacaat 120
ctcagctcac tgcagcctcc tcctctgag gtcaagtgat tctgctgcct cagcctcctg 180
agtagctggg attacaggca cccaccacca accctggcca atttttgtat ttttagtaga 240
gacagagttt caccatgctg gccaggctgg tctcaaactc ctgccctcag atgttcacc 300
caccttgccc tcccaaactg ctgggagtac aggcaatctg aattcgtcga caagcttctc 360
gagcctaggc tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420
atagtgtcac ctaaattggc gcacaattca ctggccgtcg tttacaacg tcgtgactgg 480
gaaaaccctg gcgttaccca acttaatgc cttgcagcac atccccctt cgccagctgg 540
cgtaatagcg aagaggcccg caccgatcgc ccttccaac agttgcgcag cctgaatggc 600
gaatggaaat 610

<210> 92

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-281m50Ctrl (see Figure 3)

<400> 92

aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggt 60
accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt 120
gcacaatctc agctcaccga aacctccgcc tcacaggttc aagtgattcc tctgcctcag 180

cttctgagt agctaggatg acaagcattt gccatgatac ctggctaatt ttgtatttt 240
 agtagagacc aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga 300
 tccatctgat ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag 360
 ctctcgagc ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg 420
 tattctatag tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt 480
 gactgggaaa accctggcgt tacccaactt aatcgcttg cagcacatcc ccctttcgcc 540
 agctggcgta ataacgaaga ggcccgacc gatcgccctt cccaacagti gcgcagcctg 600
 aa 602

<210> 93
 <211> 601
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-283m56SZ (see Figure 3)

<400> 93
 aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcgg 60
 accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt 120
 gcacaatctt ggctcactgt aacctctgcc tcttgggttc aagtaattct cctgtctcag 180
 cctcctgagt agctaggatt actggtgccc gccaccatgc ccggcaaatt ttgtatttt 240
 tagtagagat ggggtttcac tatgttggcc aggggtgtct caaactcctg acctcaagt 300
 atccacctgc ttcagcttcc caaactgctg ggagtacagg caatctgaat tcgtcgacaa 360
 gcttctcgag ctaggctag ctctagacca cacgtgtggg ggcccgagct cgcggccgct 420
 gtattctata gtgtcaccta aatggccgca caattcactg gccgtcgttt tacaacgtcg 480
 tgactgggaa aaccctggcg ttaccaact taatcgctt gcagcacatc cccctttcgc 540

cagctggcgt aatagcgaag aggcccgcac cgatcgctt cccaacagtt gcgcagcctg 600

a

601

<210> 94
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-284m56SZ (see Figure 3)

<400> 94
agctatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60
acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120
caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180
tctgagtagc taggatgaca agcatttgcc atgatacctg gctaattttg tatttttagt 240
agagaccagg attcttcattg ttgataaggt ggttcttgaa ctctgacct cagatgatcc 300
atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360
ctcagaccta ggctagctct agaccacacg tgtggggggc cgagctcgcg gccgctgtat 420
tctatagtgt cacctaaatg gccgcacaat tcaactggccg tcgttttaca acgtcgtgac 480
tgggaaaacc ctggcggtac ccaacttaat cgccttgag cacatcccc ttccgccagc 540
tggcgtaata gcgaagaggc ccgcaccgat cgccttccca acagttgcgc agcctgaatg 600
gcgaatggaa attgtaagcg 620

<210> 95
<211> 600
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-61m34BD (see Figure 3)

<400> 95

ttaaacagct atgacatga ttacgccaag ctctaatacg actcactata gggaaagctc 60

ggtaccacgc atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttggagggtg 120

tttgacaat ctcggttcac tgcaacttct gcctcccagg ttcaagcaat tatctgcctc 180

agcctcccga gtagctggga ttacaggtgc ccgccaccac actcagctaa tttcgtatt 240

tttagtagag acggtttcac catcttggtt aggctgggtt tgagctcctg actgcgtgat 300

ccacccgcct tggcccccca aactgctggg agtacaggca atctgaattc gtcgacaagc 360

ttctcgagcc taggctagct ctagaccaca cgtgtggggg cccgagctcg cggccgctgt 420

attctatagt gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgtg 480

actgggaaaa ccctggcggt acccaactta atgccttgc agcacatccc ctttcgcca 540

gctggcgtaa tagcgaagag gcccgcaccg atgcacctc ccaacagttg cgcagcctga 600

<210> 96

<211> 627

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-62m34BD (see Figure 3)

<400> 96

cttgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtaccacg 60

catgctgcag acgcgttacg tatcggtacc agaattcgtg attggagggt gtttcacaa 120

tcttgctca ctgtaacctc tgctcctgg gttaagtaa ttctcctgtc tcagcctcct 180

gagtagctag gattactggt gcccgcacc atgcccggca aattttgta ttttagtag 240

agatggggtt tcactatgtt gcccagggtg gtctcaaact cctgacctca agtgatccac 300
 ctgcttcagc ttcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct 360
 cgagcctagg ctagctctag accacacgtg tgggggcccc agctcgcggc cgctgtattc 420
 tatagtgtca cctaaatggc cgcacaattc actggccgtc gttttacaac gtcgtgactg 480
 ggaaaaccct ggcgttacct aacttaatcg ccttgacgca catccccctt tcgccagctg 540
 gcgtaatagc gaagaggccc gcaccgatcg cccttcccaa cagttgcgca gcctgaatgg 600
 cgaatggaaa ttgtaagcgt taatatt 627

<210> 97

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-63m34BD (see Figure 3)

<400> 97

aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggg 60
 accacgcatg ctgcagacgc gttacgtatc ggtaccagaa ttcgtgattg gaggggtgtt 120
 gcacaatctc agctcaccga aacctccgcc tcacaggttc aagtgattcc tctgcctcag 180
 ccttctgagt agctaggatg acaagcattt gccatgatac ctggctaatt ttgtattttt 240
 agtagagacc aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga 300
 tccatctgac ttggcctccc aaactgctgg gactacaggc aatctgaatt cgtcgacaag 360
 ctctcagac ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg 420
 tattctatag tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt 480
 gactgggaaa accctggcgt tacccaactt aatcgcttg cagcacatcc cccttcgcc 540
 agctggcgta atagcgaaga ggcccgacc gatcgcttc ccaacagttg cgcagcctga 600

atggcgaatg

610

<210> 98

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-66m39MD (see Figure 3)

<400> 98

tatgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtaccacg 60

catgctgcag acgcgttacg tatcggaacc agaattcgtg attggagggt gttgcacaa 120

tctcagctca ccgaaacctc cgcctcacag gttcaagtga ttctctgcc tcagccttct 180

gagtagctag gatgacaagc attgccatg atacctggct aattttgtat ttttagtaga 240

gaccaggatt cttcatgttg ataagggtgt tcttgaactc ctgacctcag atgatccatc 300

tgatttgcc tcccaaactg ctgggagtag aggcaatctg aattcgtcga caagcttctc 360

gagcctaggc tagctataga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420

atagtgtcac ctaaatggcc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg 480

gaaaaccctg gcgttaccca acttaatcgc ttgcagcaca tcccctttcg ccagctggcg 540

taatagcgaa gagggccgca ccgatcgccc ttcccaa 577

<210> 99

<211> 680

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-68m39MD (see Figure 3)

<400> 99

cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcggtag 60
cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgttgc 120
acaatctcag ctcaccgaaa cctccgcctc acaggttcaa gtgattcctc tgcctcagcc 180
ttctgagtag ctaggatgac aagcatttgc catgatacct ggctaatttt gtatttttag 240
tagaggccag gatttctcat gttgataagg tggttcttga actcctgacc tcagatgac 300
catctgattt ggccctccaa actgctggga gtacaggcaa tctgaattcg tcgacaagct 360
tctcgagcct aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta 420
ttctatagtg tcacctaaat ggccgcacaa ttactggcc gtcgttttac aacgtcgtga 480
ctgggaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540
ctggcgtaat agcgaagagg cccgcaccga tcgccttccc aacagttgcg cagcctgaat 600
ggcgaatgga aattgtaagc gttaatattt tgtaaaatt cgcgttaaat tttgttaaa 660
tcaactcatt tttaaccaa 680

<210> 100

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-71m39MD (see Figure 3)

<400> 100

aagattgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtagc 60
acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120
caatctcagc tcaactgcaac cttcacctcc caggttcaag cgattctcat gcctcagcct 180
tccgaatagt tgagattaca ggctcgtgcc accacacca gctaattttt tgtattttta 240

gtagagatgg ggtttcacca tgttggccag gctggcttgg agtcctgac ctcaagtaat 300
 ctgcccacct cagcctccaa aactgctggg agtacaggca atctgaattc gtcgacaagc 360
 ttctcgagcc taggctagct ctagaccaca cgtgtggggg cccgagctcg cggccgatgt 420
 attctatagt gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgag 480
 actgggaaaa ccctggcggt acccaactta atgccttgc agcacatccc cctttcgcca 540
 gctggcgtaa tagcgaagag gcccgaccg atcgacctt c 581

<210> 101

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-72m43BD (see Figure 3)

<400> 101

taaacagtt gaccatgatt acgccaagct ctaatacgac tcactatagg gaaagctcgg 60
 taccacgcat gctgcagacg cgttacgtat cggatccaga attcgtgatt ggagggtgtt 120
 tgcacaatct cggctcactg caacatccgc ctcccgagta gctgggacca caggtgtgca 180
 ccaccttcc gggctaattt ttgtatttt agtagagaca gggttttgcc atgttggtca 240
 ggctggcttt gaactcctga cctcaggtga ttgcccacc tcagcctccc aaactgctgg 300
 gagtacaggc aatctgaatt cgtcgacaag ctctcgagc ctaggctagc tctagaccac 360
 acgtgtgggg gcccgagctc gggcgctg tattctatag tgcacctaa atggccgcac 420
 aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt tacccaactt 480
 aatgccttg cagcacatcc cctttcgcc agctggcgta atagcgaaga ggcccgacc 540
 gatcgccctt cccaacagtt gcgcagcctg aatggcgaat ggaaattgta agcgttaata 600

<210> 102
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-74m43BD (see Figure 3)

<400> 102
aaacagctat gaccatgatt acgccaagct ctaatacgac tcactatagg gaaagctcgg 60
taccacgcat gctgcagacg cggtacgtat cggatccaga attcgtgatt ggagggtgtt 120
tgcacaatct cagctcattg cgagctccac ctcccagggt caagcaattc tectacctca 180
gcaactcctg agtagctgag actacagggt tgtgccacta tgcctggcta acttttttg 240
tatttttagt agagacaggg ttccaccatg ttggccaggc tagtctgaa cacctgacct 300
cagatgatec acctgcctcg gccctccaaa ctgctgggag tacaggcaat ctgaattcgt 360
cgacaagctt ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg 420
gccgctgtat tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca 480
acgtcgtgac tgggaaaacc ctggcggtac ccaacttaat cgccttgag cacatcccc 540
tttcgccagc tggcgtaata gcgaagaggc ccgcaccgat cgccttccc aacagttgcg 600
cagctgaatg gcgaatggaa at 622

<210> 103
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-75m43BD (see Figure 3)

<400> 103

cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcggtag 60
 cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgttgc 120
 acaatcttgg ttactacaa cctccaatct ccaggttcaa ggattctcct gcctcagact 180
 cctgagtagc tgggattaca ggcatccacc aacatgcctg gctaattttt ttatttttag 240
 cagagacggg gttttgccat attggccatg ctggtctcaa actcctgacc tcatgtgatc 300
 caccgcctt ggcttccaa actgctggga gtacaggcaa tctgaattcg tcgacaagct 360
 tctcgagcct aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta 420
 ttctatagtgc tcacctaaat ggccgcacaa ttactggcc gtcgttttac aacgtcgtga 480
 ctgggaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540
 ctggcgtaat agcgaagagg cccgcaccga tcgcccttcc caacagtgc gcagcctgaa 600
 tggcgaatgg aaattgtaag cgtaatat ttgtaaaat tcgcgttaaa tttttgttaa 660
 atcagctcat 670

<210> 104
 <211> 570
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-77m43BD (see Figure 3)

<400> 104
 cagctaacag ctatgacctg attacgcaa gctctaatac gactcactat agggaaagct 60
 cggtagcacg catgctgcag acgcgttacg tateggatcc agaattcgtg attgcctgta 120
 ctcccagcag ttccggaggt tgaggcgggt ggattacctg aggtcaggag ttaaatgata 180
 gcctggccaa cctgatgaaa ccccatctct actaaaaata caaaaaatta gcctgggtgtg 240
 ttggtgggca tctgtaatcc cagctactcg ggaggctgag gcaggataat cacttgaacc 300

tgggaggtgg tgggtgcagt gagctgagat tgtgcaaaca ccctccaatc tgaattcgtc 360
 gacaagcttc tcgagcctag gctagctcta gaccacacgt gtggggggccc gagctcgcgg 420
 ccgctgtatt ctatagtgc acctaaatgg ccgcacaatt cactggccgt cgttttacaa 480
 cgtcgtgact gggaaaaccc tggcgttacc caacttaatc gccttcgagc acatccccct 540
 ttcgccagct ggcgtaatag cgaagaggcc 570

<210> 105

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-78m43BD (see Figure 3)

<400> 105

acagctatga ccatgattac gccaaagtct aatacgactc actataggga aagctcggtg 60
 ccacgcatgc tgcagacgcg ttacgtatcg gatccagaat tcgtgattgg aggggtgttg 120
 cacaatctcg gctcaatgca acctcagcct cctgggttca agcaattctc ctgtctcagc 180
 ctcccagta gctgggatta caggcacatg ccacatgcc caactaattt ttgtattttt 240
 agtagagaca gggttttgcc atgttgacca ggctggtctc aaactcctga cctcaggtgg 300
 tccaccggcc tcagcctccc aaactgctgg gactacaggc caatctgaat tcgtcgacaa 360
 gcttctcgag cctaggctag ctctagacca cacgtgtggg ggcccagagc cgcggccgct 420
 gtattctata gtgtcaccta aatggccgca caattcactg gccgtcgttt tacaacgtcg 480
 tgactgggaa aaccctggcg ttaccaact taatgcctt gcagcacatc cccctttcgc 540
 cagctggcgt aatagcgaag aggcccgcac cgtatgcctt ccaacagttg cgcagcctga 600

a

601

<210> 106
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-79m43BD (see Figure 3)

<400> 106
aacagctatg accatgatta cgccaagctc taatagcact cactataggg aaagctcggg 60
accacgcata ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt 120
gcacaatctc agctcactgc aacctccgtt tcccaggtgc aaccgattct cctgcctcag 180
acctctgaag cggctggggac tacaggtgcc tgccacctca cccggctaata tttgtattt 240
ttagtaagag atgggggttc accacattgg cgggggtggt ctcaaactcc tgacctcaag 300
tgatccttcc atcttggcct ccaaactgc tgggagtaca ggcaatctga attcgtcgac 360
aagcttctcg agcctaggct agctctatac cacacgtgtg ggggcccagag ctccgcggcc 420
gctgtattct atagtgttac ctaaatggcc ggacaattca ctggccgtcg gttacaacg 480
tcaggactgg gaaaaccctg gcgttaccca acttaatgcc 520

<210> 107
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-83m43BD (see Figure 3)

<400> 107
cagctatgac catgattacg ccaagctcta atacgactca ctataggga agctcggtag 60
cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga gggtgtttgc 120

acaatctcgg ctcaatgcaa cctcagcctc ctgggttcaa gcaattctcc tgtctcagcc 180
 tcccgagtag ctgggattac aggcacatgc caccatgccc aactaatttt tgtattttta 240
 gtagagacag ggttttgcca tgttggccag gctggtctca aactcctgac ctcaggtggt 300
 ccaccggcct cagcctccca aactgctggg agtacaggcc aatctgaatt cgtcgacaag 360
 cttctcagac ctaggetagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg 420
 tattctatag tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt 480
 gactgggaaa accctggcgt tacccaactt aatgccttg cagcacatcc ccctttcgcc 540
 agctggcgta atagcgaaga ggccccgacc gatcgccctc caacagttgc g 591

<210> 108
 <211> 191
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-167m50Ctrl (see Figure 3)

<400> 108
 cagctcaccg aaacctccgc ctcacagggt caagtgttc ctctgcctca gccttctgag 60
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120
 caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
 tttggcctcc c 191

<210> 109
 <211> 191
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-271m50Ctrl (see Figure 3)

<400> 109

cagctcacca tgacctctgc ctctgggtt caagcgattc tctggactca gcctcctgag 60

tagctggaat tacagggatt cgccacatg cccagctaatt tttgtatgtt tagtagagac 120

agggtttctc caaattggtc aggctgggtc cgaactcccg acctcaggtg atccgcccgc 180

cttggcctcc c

191

<210> 110

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-272m50Ctrl (see Figure 3)

<400> 110

cagctcactg cagcctcctc cctctgaggt caagtgatac tgctgcctca gcctcctgag 60

tagctgggat tacaggcacc caccaccaac cctggccaat tttgtattt ttagtagaga 120

cagagtttca ccatgctggc caggctggtc tcaaactcct gcctcagat gttccaccca 180

ccttggcctc cc

192

<210> 111

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-273m50Ctrl (see Figure 3)

<400> 111

cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120

caggattctt tatgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 112

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-275m50Ctrl (see Figure 3)

<400> 112

cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 113

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-279m50Ctrl (see Figure 3)

<400> 113

cagctcactg cagcctcctc cctctgaggt caagtgattc tgctgcctca gcctcctgag 60

tagctgggat tacaggcacc caccaccaac cctggccaat tttgtatttt ttagtagaga 120

cagagtttca ccatgctggc caggctggtc tcaaactcct gccctcagat gttccacca 180

ccttggcctc cc

192

<210> 114
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-281m50Ctrl (see Figure 3)

<400> 114
cagctcaccg aaacctccgc ctcacagggt caagtattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 115
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-283m56SZ (see Figure 3)

<400> 115
tggctcactg taacctctgc ctcttgggtt caagtaattc tcctgtctca gcctcctgag 60
tagctaggat tactgggtgcc cgccaccatg cccggcaaatt tttgtattt ttagtagaga 120
tggggtttca ctatgttgcc cagggtggtc tcaaactcct gacctcaagt gatccacctg 180
cttcagcttc cc 192

<210> 116
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-284m56SZ (see Figure 3)

<400> 116
cagctcaccg aaacctccgc ctacagggt caagtattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 117
<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-61m34BD (see Figure 3)

<400> 117
cggttcactg caacttctgc ctcccagggt caagcaatta tctgcctcag cctcccagat 60
agctgggatt acagggtgccc gccaccacac tcagctaatt ttcgtatttt tagtagagac 120
ggtttcacca tcttggttag gctggtcttg agctcctgac tgcgtgatcc acccgcttg 180
gcccccc 187

<210> 118
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-62m34BD (see Figure 3)

<400> 118
tggctcactg taacctctgc ctctgggtt caagtaattc tcctgtctca gcctcctgag 60
tagctaggat tactggtgcc cgccaccatg cccggcaaat tttgtattt ttagtagaga 120
tggggtttca ctatgttgcc cagggtgggtc tcaaactcct gacctcaagt gatccacctg 180
cttcagcttc cc 192

<210> 119
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-63m34BD (see Figure 3)

<400> 119
cagctcaccg aaacctccgc ctacagggtt caagtgattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaata tttgtattt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
cttggcctcc c 191

<210> 120
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-66m39MD (see Figure 3)

<400> 120
cagctcaccg aaacctccgc ctacagggtt caagtgattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaata tttgtattt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 121

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-68m39MD (see Figure 3)

<400> 121

cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagaggc 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 122

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-71m39MD (see Figure 3)

<400> 122

cagctcactg caaccttcac ctcccaggtt caagcgattc tcatgcctca gccttcgaa 60

tagttgagat tacaggctcg tgccaccaca ccagagtaatt ttttgtatt ttagtagag 120

atgggggttc accatgttgg ccaggctggg cttgagctcc tgacctcaag taatctgccc 180

acctcagcct cca 193

<210> 123
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-72m43BD (see Figure 3)

<400> 123
cggctcactg caacatccgc ctcccagta gctgggacca caggtgtgca ccacctttcc 60

gggctaattt ttgtattttt agtagagaca gggttttgcc atgttggtca ggctggcttt 120

gaactcctga cctcaggtga ttgcccacc tcagcctccc 160

<210> 124
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-74m43BD (see Figure 3)

<400> 124
cagctcattg cgagctccac ctcccaggtt caagcaattc tcctacctca gcaactcctg 60

agtagctgag actacaggtg tgtgccacta tgcttggtca acttttttg tatttttagt 120

agagacaggg ttccacatg ttggccaggc tagtctcgaa cacctgacct cagatgatcc 180

acctgcctcg gcctccc 197

<210> 125
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Alu sequence cloned from E-75m43BD (see Figure 3)

<400> 125

tggttcacta caacctccaa tctccagggt caaggattct cctgcctcag actcctgagt 60

agctgggatt acaggcatcc accaacaatgc ctggctaatt tttttatatt tagcagagac 120

ggggttttgc catattggcc atgtgtgtct caaactcctg acctcatgtg atccaccgcg 180

cttggcctcc c 191

<210> 126

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-78m43BD (see Figure 3)

<400> 126

cggctcaatg caacctcagc ctctggggtt caagcaattc tctgtctca gcctcccag 60

tagctgggat tacaggcaca tgccaccatg cccaactaat tttgtattt ttagtagaga 120

cagggttttg ccatgttggc caggctggtc taaactcct gacctcaggt ggtccaccgg 180

cctcagcctc cc 192

<210> 127

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-79m43BD (see Figure 3)

<400> 127

cagctcactg caacctccgt ttcccagggt caaccgattc tctgcctca gacctctgaa 60

gatggggttt caccacattg gccgggggtgg tctcaaactc ctgacctcaa gtgacccctc 180

catcttggcc tccc

194

<210> 128

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-83m43BD (see Figure 3)

<400> 128

cggctcaatg caacctcagc ctctggggtt caagcaattc tcctgtctca gcctcccgag 60

tagctgggat tacaggcaca tgccaccatg cccaactaat tttgtattt ttagtagaga 120

cagggttttg ccatgttggc caggctgggc tcaaactcct gacctcaggt ggtccaccgg 180

cctcagcctc cc

192

<210> 129

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-120m57Ctrl (see Figure 3)

<400> 129

aatagctatg cccatgatta cgccaagctc taatacgact cactataggg tatgctcgga 60

gctaggcatg ctgcagacgc gttacgcatt acgatccaga atccagagat tggaggtggc 120

tggcgtaata tcggttagt gggacctgtg cctccgggtt ccaggtgttg ctagtgttg 180

aacctcctga gcatcattgg ataacagtag cctctcacca tgctcatctt gtgcttgtat 240

tggtggcagc ggtccacat gccggttatg ctgaactcgg actcatcacc ttaaattaac 300
cacctgcctc agactccgaa actgctggta gtacaggcaa tctgcattcg tctgcattct 360
tctacagcct aggctagcta tagaccacac ttgaccacgg cccgagctcc cggccgcttg 420
gattctatag tgtcatataa aggcccgaac aattcactgc accgtagttt 470

<210> 130
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevE-120m57Ctrl (see Figure 3)

<400> 130
aaactacggt gcagtgaatt gttcgggcct ttatatgaca ctatagaatc caagcggccg 60
ggagctcggg ccgtgggtcaa gtgtggtcta tagctagcct aggctgtaga agaatgcaga 120
cgaatgcaga ttgcctgtac taccagcagt ttcggagtct gaggcaggtg gttaatttaa 180
ggtgatgagt ccgagttcag cataaccggc atggtggacc gctgccacca atacaagcac 240
aagatgagca tggtagagagg ctactgttat ccaatgatgc tcaggagggtt caaacactag 300
caacacctgg aacccggagg cacaggtccc actaaaccga tattacgcca gccacctcca 360
atctctggat tctggatcgt aatgcgtaac gcgtctgcag catgcctagc tccgagcata 420
ccctatagtg agtcgtatta gagcttggcg taatcatggg catagctatt 470

<210> 131
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevE-119m57Ctrl (see Figure 3)

<400> 131
cagctgactg caacctctga ctctgggtt caagtgactc tcctgcctca gccttctgaa 60
tagctgggat tacgggcaag taccaccata cctagctaatt tttgtatttt tagcagagac 120
ggggtttctc catgttggtc aggcgggttct cgaactcccg acctcaggtg atccacctgc 180
ctctgcctcc c 191

<210> 132
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevE-270m50Ctrl (see Figure 3)

<400> 132
cagctcacgc aaacctccgc ctacaggtt caagtattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 133
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevE-169m50Ctrl (see Figure 3)

<400> 133
cagctctcca caacctccgc catcgtgggt tcacagagat tctcctgcct cggcctccca 60
agtagctggg aatacaggca cgctccaata cacctggcta attatgtatt ttagtagag 120

acagggttcc tccatgttgg tcaacctggt ctggaactcc tgacctcggg taatcaaccc 180

acttcagcct ccc 193

<210> 134

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from RevE-77m43BD (see Figure 3)

<400> 134

cagctcactg caaccaccac ctcccaggtt caagtgatta tcctgcctca gcctcccgag 60

tagctgggat tacagatgcc caccaacaca ccaggctaatt ttttgtatt ttagtagag 120

atgggggttcc atcaggttgg ccaggctgat cttaaactcc tgacctcagg taatccaccc 180

gcctcaacct ccg 193

<210> 135

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK1601mM-13_m37-7+++ (see Figure 3)

<400> 135

cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 136
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601mM-11_m37-5+++ (see Figure 3)

<400> 136
cagctcaccg aaacctccgc ctacagggt caagtattc ctctgctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggccttc c 191

<210> 137
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601_mM-1_m57-6 (see Figure 3)

<400> 137
cagctcactg caggctccgc ctcccgggtt cagccattc tcctgctca gcctcccag 60

tagctgggac tacaggcgcc caccaccatg cccagctaatt tttgtattt ttagcagaga 120

cgggggttca ccatgttggc caggatggtc tccaaactcc tgacctcctg agacacctgt 180

gtcgggggtcc caaactgtgg gactacaggc aactctgaat ttttgacaa gactcttcga 240

gcctatgcta ctatctacac cacaccgctt gggggcccca gctcgcggcc gctgtattat 300

ataata 306

<210> 138

<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601mM-60+++ (see Figure 3)

<400> 138
cagctcaatg caacctacac ctctgggtt caagtgattc tcacgcctca gcctcctaag 60

taactgggat tacaggggcg caccaccaca cctggctaatt ttttgtatt ttagcagag 120

atgggccatg ttggccaggc tggcttgaa ctctgacct caagtgatcc acctgcctcg 180

gcctccc 187

<210> 139
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601MM-59+++ (see Figure 3)

<400> 139
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 140
<211> 191
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK1601mM-58+++ (see Figure 3)

<400> 140

cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 141

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK1601mM-57+++ (see Figure 3)

<400> 141

atctatgaca tgattgcccc gattctccaa gctctaattc tactgaatgt tcggaacgct 60

ccatccacgc atgccgtaaa cgctttactc ctcggttcca gaatgcggga ttgcctgtac 120

ttccatcagt tagggaggcc aaatcctacg gatcatatga ggctatgaga ccaagaccca 180

ccttatcaac atgaagaatc ctggtctcta ctaaaaatac aatattagcc aggtttcatg 240

gtatatgctt gtaatcctag ctactcacia ggctgaggca gaggaattac ttgaacctgt 300

gaggcggagg ttgcggtgag ctgagattgt ccaaacaccc tccaatctga attcgttgac 360

aagcttttcg agcctaggct agctctagac cacacgtgtg ggggcccag ctcgcggt 418

<210> 142

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK1601mM-55+++ (see Figure 3)

<400> 142

acgttgccgtg ttcgcagtta tcgtacttg ggaagtcgtc ccatctgagc cgtcgcgca 60

tccagaatcg gattggaggt gttgccaaca ttgagtcact gcagcttga cctcctgagt 120

gcatgtggct tattccacct caacctcctg aggagttggg accaccagtg ttcaacacca 180

catcaggcta atttaatat ttgtagaaat gaagacttac tattatgtcc aggctagtat 240

taaaatactg ggggtaagca agactcccc cttgtgttc ccaaagtctg gggggacaac 300

aggtattgat tttcgacaa gcttctcga gcctccgatg gttctataca ccacacgtgg 360

ggccccgagct ctgccgctg 380

<210> 143

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Pk1601mM-54+++ (see Figure 3)

<400> 143

cagctcaccg aaacctccgc ctacacaggt caagtattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttgcctcc c 191

<210> 144

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-53+++ (see Figure 3)

<400> 144

cagctcaccg aaacctgcg ctcacagggt caagtgttc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 145

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-52+++ (see Figure 3)

<400> 145

cagctcactg caacctccgc ctcttggtt caagcgattt tccgcctta gcctcctgag 60

taactgggac tagaggcagg taccaccacg cccagctaatt tttgtatttt ttagtagaga 120

cgaggtttca ccatgtgggc caggctggtc ttaaactcct gacctcaagt gatttgccca 180

actcagcctc cc 192

<210> 146

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-51+++ (see Figure 3)

<400> 146
cagctcactg caacctccgc ctctgggatt caagcgattt tcccgcctta gcctctgag 60
taactgggac tagaggcagg taccaccacg cccagctaatt tttgtattt ttagtagaga 120
cgagggttca ccatgtgggc caggctgggc ttaaactcct gacctcaagt gatttgccca 180
actcagcctc cc 192

<210> 147
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-50 (see Figure 3)

<400> 147
cagctcaccg aaacctccgc ctacaggtt caagtattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 148
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-49 (see Figure 3)

<400> 148
gactcattgc aacctctgcc tcctgggttt aagccgttct catgcctcag cctcccgcag 60
tagctgggat tataggcatg cgccaccacc cccagctaatt tttgtatta tcagtagaga 120

tggggcttcg ccatgctggc caggctggtc ttgaactcct gacctcaagc aatccgcca 180

actcggcctc cc

192

<210> 149

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-47 (see Figure 3)

<400> 149

cagctcaccg aaacctccgc ctcacgggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 150

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-48 (see Figure 3)

<400> 150

cagctcaccg aaacctccgc ctcacagggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 151
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-44 (see Figure 3)

<400> 151
cagctcaccg aaacctccgc ctacagggt caagtgttc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt agtagagacc 120

aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga tccatctgat 180

ttggcctccc 190

<210> 152
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-42 (see Figure 3)

<400> 152
cagctcaccg aaacctccgc ctacagggt caagtgttc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatgtt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 153
<211> 320
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-37+++ (see Figure 3)

<400> 153

gacaggatg accatgatta cgccagctct aatacgaact actataggga aagctcggta 60

ccacgcatgc tgcagacgcg ttacgtatgg gatccagaat tcgtgattgg aggggtgttt 120

gcacaatctc agctcaccgc aacctttgcc tcacgggctc aagtgattct catgcttgat 180

cctaccaagt agctgggatt acaggcacat gccatcatgc tgagctaact ttgtatttt 240

tggtagagac gaggtttcac catgttgccc aggctgtctc aaactcctga cctcagatga 300

tccgtccacc tcagcctccc 320

<210> 154

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-35+++ (see Figure 3)

<400> 154

cggctcactg caagctctgc ctcccgggtt catgccattc tcctgcctca gcctcccag 60

tagctgggac tgcaggtggc cgtcaccacg cccggctaatt ttttgtatt ttagtagag 120

acagggttcc accatgtag ccaggatggt ctcgatctcc tgacctctg atctgcccgc 180

ctcagcctcc c 191

<210> 155

<211> 188

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601_mM-32+++ (see Figure 3)

<400> 155

cacgtcactg taatgtccat ctcccgggtt caggtgattc tcctgcccc gcctcctgag 60

tagctgtaca ggcgtagcacc accatgcccg actaatTTTT gtacttttag tagagattgg 120

gtttcaccgt gttggtcagg ctggcttga actcctgacc tcaagtgatc tgcctgcctc 180

agcctccc 188

<210> 156

<211> 140

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601_mM-31+++ (see Figure 3)

<400> 156

cagcttactg caacctttgc ttccagttt caagtgattc tcctgtctca tgctccagag 60

aaccgggtac tacaggcaca cgccaccatg ctgggctaataatttatgtt cttagaatag 120

agattggttt tcaccgattt 140

<210> 157

<211> 190

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601_mM-30+++ (see Figure 3)

<400> 157

tggctcactg caacctctgc caccgggatt taagcaattc tcctgcctca gcctcccgag 60

tagctgggat tacaggcgcc tgccactgct ctgagctaatt tttgtattt ttgtagaga 120

cgggatttca ccatcttggc caggctgggt ttaactcct gacctcatga tccaccgcc 180

tggccttcc 190

<210> 158

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-24+++ (see Figure 3)

<400> 158

tggcttactg gaaccttcgc ctccgggtt caagagattc ttctgcctta acctccgag 60

aggctgggac tacaggcatg cgccaccatg cccagctagg tttggattt ttaagagaga 120

tggggtttcc ccatgttggc caggatgac tcgatctctt gacctcgtga tctgtccggc 180

ttaagacttc caaactggtg ggagtacagg caatctgaat tcgtcgacaa gcttttctag 240

cctaggctag ctctagacac acgtgtgggg gcccgagctc gcggccgctg ta 292

<210> 159

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-23+++ (see Figure 3)

<400> 159

cggttcattg caacctccgc ttctagggt ccagtgatcc tcctgcctca gtccccaag 60

tggctgggac tacaggcatg tgccaccaca tctggctaac tttgtatat ttagtagaaa 120

cagggtttca ccatgttggc caggctggtc togaactcct ggcctcaagt gatccaccg 180

ccttggcctc cc

192

<210> 160

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-22+++ (see Figure 3)

<400> 160

cagctcaccg aaacctccgc ctacagggt caagtgttc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 161

<211> 190

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-21+++ (see Figure 3)

<400> 161

tggtcactg caacctctgc ctctggggt caagtaattc tcctgcctca gcctcccgag 60

tacctgggac tacaggcacc caccaccacg ctacagtaatt tttgtattt ttagtagaga 120

cggggtttca ccatattggc caggctggtc tcgaactcct gaccttgtga tccccccgcc 180

tcggccgccc

190

<210> 162

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-20+++ (see Figure 3)

<400> 162

cagctcaccg aaacctccgc ctacagggt caagtgttc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 163

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-19+++ (see Figure 3)

<400> 163

cagctcaccg aaacctccgc ctacagggt caagtgttc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 164

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-18+++ (see Figure 3)

<400> 164

cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 165

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-17+++ (see Figure 3)

<400> 165

gggaggccaa atcagatgga tcacttgagg tcaggagttc aagaaccacc ttatcaacat 60

gaagaatcct ggtctctact aaaactacaa aattagccag gtatcatggc aaatgcttgt 120

catcctagct actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcgaggaggtt 180

tcggtgagct g 191

<210> 166

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-16+++ (see Figure 3)

<400> 166

cagctcactg caacctcccc ctctggggtt caagcgattc tcttgctca gcctcctgag 60

tagctgggat tacaggtgcc caccaccacg cccagttaat tttttagt ttagtacag 120

acgaggttcc actgtgctga tcaggctagt ctggaactcc tgacctcagg tgatccacct 180

gccttgcat ctc 193

<210> 167

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-14+++ (see Figure 3)

<400> 167

cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 168

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-10 (see Figure 3)

<400> 168

cagctgactg cagtcttgac ctggaaggct caagcgatcc tccacctct cagcctcaca 60

agtagctggg actactactg acacgcctca ccacaccag catttttttt ttttgtaga 120

aacagggttt cattatgttg cccagggtgg tctcaaactc ctgagctcaa gtgacacctc 180

ccactcggcc tccc 194

<210> 169
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-8 (see Figure 3)

<400> 169
cagctcaccg aaacctccgc ctcacagggt caagtgttc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 170
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-7 (see Figure 3)

<400> 170
cagctcaccg aaacctccgc ctcacagggt caagtgttc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgcatgata cctggctaatt ttgtatttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 171
<211> 191
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-6 (see Figure 3)

<400> 171

cagctcacca caacctccgc ctctggggtt ccagcgattc tctgcctcg gcctcccaag 60

tagctgggat tacaggcacg caccaatata cctggctaata tttgtatttt tagcagagac 120

agggtttctc catgttggtc aacctgggtc gtaactcctg acctcgggta atcaaccac 180

ttcagcctcc c 191

<210> 172

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-5 (see Figure 3)

<400> 172

cagctcactg caacctccat ttctggggtt caagcgattc tctgcctca gcctccggag 60

tagctgggac cacagacgtg tgccaccatg cctgggtaat ttcatattt tcagtagagg 120

tggggctttg ccacattgct caggctgggtc ttgaactcct gacctcaggt gatccgcccg 180

cctcagcctc cc 192

<210> 173

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK1401_mM-4 (see Figure 3)

<400> 173
tggtcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccag 60
tagctgggac taccggcgag tgctaccatg cctgcgtaat ttttgtact ttagtagag 120
ttggagtttc actacgttgg ccaggctggt ctcaaactcc tggcctcaag tgatctgccg 180
gcctcagcct ccc 193

<210> 174
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-3 (see Figure 3)

<400> 174
cggctcactg caagctccgc ctcccgggtg cagccattc tcctgcctca gcctcccag 60
tagctgggac tacaggcgcc cgccaccacg cccggctaata ttttgtatt ttagtagag 120
gcagggtttc actgtgttag ccaggatggt ctgatctcc tgacctcgtg atccgcccgc 180
ctctgcctcc c 191

<210> 175
<211> 208
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-2 (see Figure 3)

<400> 175
tgattctct gcctcagcct cccaagtagc tgcgattaca ggcatccgcc accacacca 60
actaattttg tatttttagt agagacaggt ttctccatg ttgtcaggc tagtctcga 120

ttcctgacct caggatgatct gcctgccttg gcttcccaaa gtgctgggat tacaggcgtg 180

agccactgtg cctggccaaa gctatttc 208

<210> 176

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-2 (see Figure 3)

<400> 176

cagctcactg caacctcacc tcccgggttc aagtattct cctgcctcag cctcccaagt 60

agctgcgatt acaggcatcc gccaccacac ccaactaatt ttgtattttt agtagagaca 120

ggttttctcc atgttgggtca ggctagtctc gaattcctga cctcaggtga tctgcctgcc 180

ttggcttccc aaagtgtggtg gattacaggc gtgagccact gtgcctggcc aaagctattt 240

cttttttctt ttctctttt tttttttt ttgagacgga gtctcgtgt gtccccagg 300

ctggagtaca atggcatgat ctgggtcac tgcaacctct gcctcccagg tttaagcga 360

tttctctgcc tcagcctccc gagtagctgg gattacaggc acccaccacc gtgcccagct 420

aatttttgta tctttaatag agatggggtt tcaccatctt ggccaggctg gtcttgaact 480

cctgacctca tgatccaccc acctcagtct cccaaactgc tgggagtaca gaatctgaat 540

tc 542

<210> 177

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BDc_m34-4-----BD (see Figure 3)

<400> 177
tggctcactg taacctccac ctctggatt caagtgattc tcctgcctca gcctcccacg 60
tagctgggac tacaggcaca cgacaccgca cccagctcat ttgtatttt tagtagagac 120
agggtttcac tatgtggcc aggctgggtc caaacttctg acctcaggtg atccaccac 180
ctcagccttc c 191

<210> 178
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-10+++ (see Figure 3)

<400> 178
cggctcactg cagcctctac ctccatggt caagccatcc tccagtctca gcctctggag 60
tagttgggat tacagatgtg taccacctcg cctggctaatt ttgtatttt ttagtagaga 120
tggggttttg ccatgttggc caggctgac tcagattcct gatctcaggt gatccacctg 180
ccttggcctc cc 192

<210> 179
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-9+++ (see Figure 3)

<400> 179
ggctcactgc agcctctacc tccatgttc aagccatcct ccagtctcag cctctggagt 60
agtgggatt acagatgtgt accacctcgc ctggctaatt ttgtatttt tagtagagat 120

ggggttttgc catgttggcc aggctgatct cagattcctg atctcaggtg atccacctgc 180

cttggcctcc c 191

<210> 180

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from SZb_m37-7+++ (see Figure 3)

<400> 180

cggctcactg cagcctctac ctcccatgtt caagccatcc tccagtctca gcctctggag 60

tagttgggat tacagatgtg taccacctcg cctggctaatt tttgtattt ttagtagaga 120

tggggttttg ccatgttggc caggctgata tcagattcct gatctcaggt gatccacctg 180

ccttggcctc cc 192

<210> 181

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from SZb_m37-5+++ (see Figure 3)

<400> 181

cagctcaccg aaacctccgc ctacagggt caagtattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 182
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-3+++ (see Figure 3)

<400> 182
cagctatgac ctgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60
acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgccg ggacttcgaa 120
ccgtctgggc tgcctgaaag ctggactac caggggtaag cggttcaggg gcctcattat 180
caacaggaac tgtgatgaca tgtactaaca aactgccca ggtcgggttt gatggcaaat 240
gcaggacata caaaatacta atatggctgc agggctggaa tcaatcgaac gtgggaggga 300
tccgtctgcc tgagccgaca aagctgatgc aagtccaac atgaattcgt cgacaagctt 360
ctcgagccta ggctagctct agaccacagc tgtggggggc c 401

<210> 183
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDc_m34-10-----BD (see Figure 3)

<400> 183
cagctaccgc aaacctccgc ctacaggtt caagtgttc ctctgctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 184
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-2+++ (see Figure 3)

<400> 184
cagctcaccg aaacctccgc ctacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 185
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDc_m34-3-----BD (see Figure 3)

<400> 185
tggctcactg taacctccac ctctggatt caagtgattc tcctgcctca gcctcccacg 60

tagctgggac tacaggcaca cgacaccgca cccagctcat ttgtatttt tagtagagac 120

agggtttcac tatgttgcc aggctggtct caaacttctg acctcaggtg atccaccac 180

ctcagccttc c 191

<210> 186
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDc_m34-1-----BD (see Figure 3)

<400> 186
cagctcaccg aaacctccgc ctcacagggt caagtgttc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 187
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk211201_M39-2-----BD (see Figure 3)

<400> 187
cagctcaccg aaacctccgc ctcacagggt caagtgttc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 188
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CtrlC_m57-2 (see Figure 3)

<400> 188
tggctcactg caacctccac ctcccgggtt caagcaattc tcgtgcctca gccacctgag 60
tagctgggat tataggtgtg cgccaccaca cccggctaatt tttaaattt ttgtagaga 120
cggggtttca ccctgttggc caggctggcc tcgaactcct aatctcaggt gatctgccca 180
ccttggcctc cc 192

<210> 189
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDd_m43-19-----BD (see Figure 3)

<400> 189
cagctgactg caacctccac ttcccaggtt caagcgattc tcctgcctca gcctcctgag 60
tagctggaac tagaagcgtg caccaccaca tcccgctaatt tgtgtgtgtg tgtgtgtgtt 120
tgtttagtaa aggggggggtt tcacatgtt ggtcaggctg gtctcgaact cctgacaggt 180
gatccacccg ccttggcctc cc 202

<210> 190
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZc_m37-26+++ (see Figure 3)

<400> 190
cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 191

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BDd_m34-19-----BD (see Figure 3)

<400> 191

tggctcactg taacctctgc ctctgggtt caagtaattc tcctgtctca gcctcctgag 60

tagctaggat tactgggtgcc cgccaccatg cccggcaaatt tttgtattt ttagtagaga 120

tggggtttca ctatgttgcc cagggtgggtc tcaaactcct gacctcaagt gatccacctg 180

cttcagcttc cc 192

<210> 192

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BDd_m34-14-----BD (see Figure 3)

<400> 192

cagcccagtg caagctccgc ctcccagggt cactgcattc tctgcctca gcctcccagag 60

tagctgggac tacaggcgcc cgccaccacg cccagctaatt ttttgtatt ttagtagag 120

acaaggtttc accgtattag ccgggatggt cgctatctcc tgacctcgtg atctgcccgc 180

ctcggcctct c 191

<210> 193
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDd_m43-14-----BD;DNA (see Figure 3)

<400> 193
ctctgctcac tgcagcttct gcctcccggtt tcaagtgat tctcctgcct cagcctcctg 60

agtagctggg actacaggca tgcaccacca caccagcta attttgtat ttttagtaga 120

gacgggggtt caccatgttg gccaggatgg tctctatctc ttgacctcat gatccgcccg 180

cctcagcctt cc 192

<210> 194
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZc_m37-15+++ (see Figure 3)

<400> 194
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 195
<211> 190
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from SZc_m37-10+++ (see Figure 3)

<400> 195

cagctcactg caggctccgc ctcccgggtt cagccattc tctgcctca gcctccgag 60

tagctgggac tacaggcgcc caccacatg cccagctaatt tttgtattt ttagcaaaga 120

cagggtttca ccatgttagc caggatggtc tcgatctcct gacctcatga tccacctgcc 180

tcggcctccc 190

<210> 196

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from SZc_m37-7+++ (see Figure 3)

<400> 196

cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 197

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from SZc_m37-5+++ (see Figure 3)

<400> 197
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 198
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZc_m37-3+++ (see Figure 3)

<400> 198
cagctcactg caggctccgc ctcccgggtt cagccattt tcctgcctca gcctccccag 60
tagctgggac tacaggcgcc catcaccatg cccagctaatt ttgtatttt ttagcaaaga 120
cagggtttca ccatgttagc caggatggtc tcgatctcct gacctcctga tccacctgcc 180
tcggcctccc 190

<210> 199
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk0301_M39-14-----BD(see Figure 3)

<400> 199
aagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 200

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK0301_M37-14+++ (see Figure 3)

<400> 200

cagctcaccg aaacctccgc ctacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 201

<211> 190

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK0301_M37-11+++ (see Figure 3)

<400> 201

cagctcaccg aaacctccgc ctacagggt caagtgattc ctatgcctta gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggcggttct tgaactcctg acctcacatg atccatttga 180

tttggcctcc

190

<210> 202
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevCompSZB_M37-6+++ (see Figure 3)

<400> 202
cagctcactg gcagttctcaa tcttccaagt tcaaggatgat tatcccatct cagcctcccg 60
agtagctgaa actacaggtg catactacca cgcctagcta atttttttt gtagagatgg 120
ggttttggcc atgttgccca ggctgctctc gaacttctgg gcacaagtgg tccaccacc 180
ttggcctccc 190

<210> 203
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevCompPK1401_mM-17+++ (see Figure 3)

<400> 203
cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtagttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttgccctcc c 191

<210> 204
<211> 191
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from RevCompPK1601mM-33+++ (see Figure 3)

<400> 204

cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 205

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from RevCompPK1601mM-39+++ (see Figure 3)

<400> 205

cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 206

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from CUTPK1601_mM-1_m57-6 (see Figure 3)

<400> 206

gaaccacat tacgccaact ctaatacgac tcactatagg gaaagctcgg taccacgcat 60
gctgcagacg cgttacgtat cggatccaga attcgggatt ggagggtgtt tgcacaatct 120
cagctcactg caggctccgc ctcccgggtt cacgccattc tctgcctca gcctcccag 180
tagctgggac tacaggcgcc caccacatg cccagctaatt tttgtattt ttagcagaga 240
cgggggttca ccatgttggc caggatggtc tccaaactcc tgacctctg agacacctgt 300
gtcgggggtcc caaactgtgg gagtacaggc aactctgaat ttttgacaa gactcttga 360
gcctatgcta ctatctacac cacaccgctg gggggcccca gctcgcggcc gctgtattat 420
ataata 426

<210> 207

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from CUTPK1601mM-57+++ (see Figure 3)

<400> 207

catctatgac atgattgccc cgattctcca agctctaatt ctactgaatg ttcggaacgc 60
tccatccacg catgccgtaa acgctttact cctcgggtcc agaatgcggg attgcctgta 120
cttccatcag ttagggaggc caaatcctac ggatcatatg aggctatgag accaagaccc 180
accttatcaa catgaagaat cctggtctct actaaaaata caatattagc caggtttcat 240
ggtatatgct tgtaatccta gctactcaca aggctgaggc agaggaatta cttgaacctg 300
tgaggcggag gtttcggtga gctgagattg tccaaacacc ctccaatctg aattcgttga 360
caagcttttc gagcctaggc tagctctaga ccacacgtgt gggggcccca gctcgcggt 419

<210> 208

<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CUTPK1601mM-55+++ (see Figure 3)

<400> 208
acgttgccctg ttcgcagtta tcgctacttg ggaagtcgtc ccatctgagc cgtcgatcga 60
tccagaatcg gattggaggt gttgccaaca ttgagtcact gcagctttga cctcctgagt 120
gcatgtggct tattccacct caacctcctg aggagttggg accaccagtg ttcaacacca 180
catcaggcta atttaatat ttgtagaaat gaagacttac tattatgtcc aggctagtat 240
taaaatactg gggttaagca agactcccc ctgtgtgtc ccaaagtctg gggggacaac 300
aggtattgat ttttcgaca gcttcttca gcctccgatg gttctataca ccacacgtgg 360
ggcccgagct ctgccgctg 380

<210> 209
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from utPK1601mM-39+++ (see Figure 3)

<400> 209
gggaggccaa atcagatgga tcactgagg tcaggagttc aagaaccacc ttatcaacat 60
gaagaatcct ggtctctact aaaaatacaa aattagccag gtatcatggc aaatgcttgt 120
catcctagct actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcggagggtt 180
tcggtgagct ga 192

<210> 210
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1601mM-37+++ (see Figure 3)

<400> 210
gggagggtgt ttgcacaat ctcagctcac cgcaacctt gcctcacggg ctcaagtgat 60

tctcatgctt gactctacca agtagctggg attacaggca catgccatca tgctgagcta 120

actttggtat ttttggtaga gacgaggttt caccatgttg gccaggctgt ctcaaactcc 180

tgacctcaga tgatccgtcc acctcagcct c 211

<210> 211
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1601mM-33+++ (see Figure 3)

<400> 211
tgggaggcca aatcagatgg atcatctgag gtcaggagtt caagaaccac cttatcaaca 60

tgaagaatcc tggctcttac taaaaataca aaattagcca ggtatcatgg caaatgcttg 120

tcacctagc tactcagaag gctgaggcag aggaatcact tgaacctgtg aggcggaggt 180

ttcggtgagc tga 193

<210> 212
<211> 141
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from CutPK1601_mM-31+++ (see Figure 3)

<400> 212

tcagcttact gcaaccttg cttcccagtt tcaagtgatt ctctgtctc atgctccaga 60

gaacccggta ctacaggcac acgccacat gtcgggctaa taatttatgt tcttagaata 120

gagattgggtt ttcaccgatt t 141

<210> 213

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from CutPK1401_mM-17+++ (see Figure 3)

<400> 213

tgggaggcca aatcagatgg atcatctgag gtcaggagtt caagaaccac cttatcaaca 60

tgaagaatcc tggctcttac taaaactaca aaattagcca ggtatcatgg caaatgcttg 120

tcacctagc tactcagaag gctgaggcag aggaatcact tgaacctgtg aggcggaggt 180

ttcggtgagc tga 193

<210> 214

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from CutPK1401_mM-2_1+++ (see Figure 3)

<400> 214

tcagctcact gcaacctcac ctccggggtt caagtgattc tctgcctca gcctccaag 60

tagctgcgat tacaggcatc cgccaccaca cccaactaat tttgtatttt tagtagagac 120

aggttttctc catgttggtc aggctagtct cgaattcctg acctcaggtg atctgcctgc 180

cttggcttcc caaagtgctg ggattacagg cgtgagccac t 221

<210> 215

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from CutPK1401_mM-2_2+++ (see Figure 3)

<400> 215

gagacggagt ctgctgtgt cccccaggct ggagtacaat ggcatgatct cggctcactg 60

caacctctgc ctcccagggt tcaagcgatt ttctgcctc agcctcccga gtagctggga 120

ttacaggcac ccaccaccgt gccagctaa ttttgtatc tttaatagag atgggggttc 180

accatcttgg ccaggctggt cttgaactcc tgacctcatg atccaccac ctcagtctc 239

<210> 216

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from CutSZB_M37-6+++ (see Figure 3)

<400> 216

tgggaggcca aggtgggtgg accacttgtg cccagaagtt cgagagcagc ctgggcaaca 60

tggccaaaac cccatctcta caaaaaaaaa ttagctaggc gtggtagtat gcacctgtag 120

tttcagctac tcgggaggct gagatgggat aatcaccttg aacttggaag attgagactg 180

ccagtgagct ga

<210> 217
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutSZB_M37-3+++ (see Figure 3)

<400> 217
tgccgggact tcgaaccgtc tgggctgcct gaaagcttgg actaccaggg gtaagcggtt 60
caggggcctc attatcaaca ggaactgtga tgacatgtac taacaacact gccaggtcgc 120
ggtttgatgg caaatgcagg acatacaaaa tactaatatg gctgcagggc tggaatcaat 180
cgaacgtgg 189

<210> 218
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-9RfWithM13R (see Figure 3)

<400> 218
gcgagaaagg aagggaagaa agcgaaagga gcgggcgcta gggcgctggc aagtgtagcg 60
gtcacgtgc gcgtaaccac cacacccgcc gcgcttaatg cgccgctaca gggcgcgctcc 120
attcgccatt caggctgcgc aactgttggg gaaggcgat cggtgcgggc ctcttcgcta 180
ttacgccagc tggcgaaagg gggatgtgct gcaaggcgat taagttgggt aacgccaggg 240
tttccagc cagcagcttg taaaacgacg gccagtgaat tgtaatacga ctactatag 300
ggcgaattgg gccctctaga tgcattgctg agcggccgcc agtgtgatgg atatctgcag 360
aattcggtt gcctgtactc ccagcagttt 390

<210> 219
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-4RfWithM13R (see Figure 3)

<400> 219
ccacaccgc cgcgcttaat gcgccgtac agggcgcgtc cattgccat tcaggctgcg 60
caactgttgg gaagggcgat cggcggggc ctctcgcta ttacgccagc tggcgaaagg 120
gggatgtgct gcaaggcgat taagtgggt aacgccaggg tttccagc cagcagttg 180
taaaacgacg gccagtgaat tgaatacga ctactatag ggcgattgg gccctctaga 240
tgcattgctg agcgccgcc agtgtgatgg atatctgcag aattcggctt gcctgtactc 300
ccagcagttt 310

<210> 220
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-9RrWithM13R (see Figure 3)

<400> 220
gcctgtactc ccagcagttt gagaggccaa gatgggtgga tcactgagg tctagagctc 60
aagaccagcc tggcgacatg gtgaaacccc atctctacta aaaatataaa aatcagccag 120
gtgtggtggt gggcacctgt aaccccagct actcaggagg ctgaggaagc cgaattccag 180
cacactggcg gccgttacta gtggatccga gctcgggtacc aagcttggcg taatcatggt 240
catagctgtt 250

<210> 221
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-4RrWithM13R (see Figure 3)

<400> 221
gcctgtactc ccagcagttt gagaggccaa atcagatgga tcatctgagg tcaggagttc 60
aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120
gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180
gaacctgtga ggcggagggt tcggtgagct gagattgtgc aaacaccaag ccgaattcca 240
gcacactggc ggccgttact agtggatccg agctcggtag caagcttggc gtaatcaggt 300
catagctgtt 310

<210> 222
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-6rwithM13R (see Figure 3)

<400> 222
gcctgtactc ccagcagttt tgagagggtca aggaaggagg atcagttgag tccgggagtt 60
tgagatgagc ctgggcaaca tggcaaaacc tcgtctctac aaaaataca aaaaaagtaa 120
gccgggcatg gtggagaggc tattcggcta tgactgggca caacagacaa tcggctgctc 180
tgatgccgcc gtgtccggc tgtcagcgca ggggcgccc gttcttttg tcaagaccga 240
cctgtccggt gccctgaatg aactgcagga cgaggcagcg cggctatcgt ggctggccac 300

gacgggcggt ccttgcgcag ctgtgctcga cgttgtcact gaagcgggaa gggactggct 360
 gctattgggc gaagtgccgg ggcaggatct cctgtcatcc caccttgctc ctgccgagaa 420
 agtatccatc atggctgatg caatgcggcg gctgcatacg ctgatccgg ctacctgccc 480
 attcgaccac caagcgaaac atcgcatcga gcgagcacgt actcggatgg aagccggtct 540
 tgtcgatca 549

<210> 223

<211> 604

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK37-1 with M13R (see Figure 3)

<400> 223

aacagctatg acctgattac gccaaagctg gtaccgagct cggatccact agtaacggcc 60
 gccagtgtgc tggaattcgg cttagcctgta ctcccagcag ttgggaggc caaatcagat 120
 ggatcatctg aggtcaggag ttcaagaacc accttatcaa catgaagaat cctggtctct 180
 actaaaaata caaaattagc caggtatcat ggcaaatgct tgatccta gctactcaga 240
 aggctgaggc agaggaatca ctgaacctg tgaggcggag gtttcggtga gctgagattg 300
 tgcaaacacc ctccaagccg aattctgcag atatccatca cactggcggc cgctcgagca 360
 tgcatctaga gggcccaatt cgccctatag tgagtcgtat tacaattcac tggccgtcgt 420
 ttacaacgt cgtgactggg aaaaccctgg cgttcccaac ttaatgcct tgcagcat 480
 cccctttcg cagctggcgt aatagcgaag agggccgcac cgatgccct tccaacagt 540
 tgcgcagcct gaatggcgaa tggacgcgcc ctgtagcggc gcattaagcg cggcgggtgt 600
 ggtg 604

<210> 224
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-1rwithM13R (see Figure 3)

<400> 224
gcctgtactc ccagcagttt gggaggccaa atcagatgga tcattctagg tcaggagttc 60
aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120
gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180
gaacctgtga ggcggagggt tcggtgagct gagattgtgc aaacaccctc caagccgaat 240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360
accctggcgt tcccaactta atgccttgc agcacatccc cctttcgcag ctggcgtaat 420
agcgaagagg cccgcaccga tcgcccttc caacagtgc gcagcctgaa tggcgaatgg 480
acgcgccctg tagcggcgca ttaagcgagg cgggtgtggt g 521

<210> 225
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-2withM13R (see Figure 3)

<400> 225
gcctgtactc ccagcagttt gggaggccga ggcgggcaga ttgcctgagc tcaggagttc 60
gaaaccagcc tggacaacac ggtgaaaccc tgtctctact aaaaatacaa aaaattagcc 120

agacgtggtg gtgcatgcct gtagtcccag ctatgcagga ggctgaggca ggagaatcac 180
 ttgaaccag caggaaaagg ttgtggtgag ctgagattgt gcaaaccaccc tccaagccga 240
 attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggccaattc 300
 gccctatagt gagtcgtatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 360
 aaaccctggc gttaccaaac ttaatgcct tgcagcacat tccccttcg ccagctggcg 420
 taatagctaa gaggcccgca ccgatcgtcc ctccaaca gttgcgcagc ctgaatggcg 480
 aatggacgcg ccctgtagcg gcgcattaag cgcggcgggt gtggtggtta c 531

<210> 226

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK34-7withM13R (see Figure 3)

<400> 226

ggagggtgtt tgcacaatct cggcttactg caacctccac tcctgggctt aaacggctct 60

cccacatcat ctcccgagt agcagggtcc acagggtgcac accaccatgc ctggctatat 120

tttttttt ttggatttt tgataaagac aggatgtcaa catgttgccc acgtggtct 180

tcaaccctt gaactcaaat tcattcgtt ctgcctcca aactgggtgg agtcttgagg 240

tggggaacc acctgatgtt acgaatatga gacttttcgg cctgattccg gccaaactct 300

cgtcttattt ttataatct aataaatccc atctaggggc tagggt 346

<210> 227

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
<222> (49)..(49)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-8withM13R (see Figure 3)

<400> 227
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacaggnt caagtgattc 60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120
tttgacttt tagtagagac caggattctt catgttgata aggtggttct tgaactcctg 180
acctcagatg atccatctga ttggcctcc caaactgctg ggagtacagg caagccgaat 240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
cctatagtga gtcgtattac aattcactgg ccggcggttt acaacgtcgt gactgggaaa 360
accctggcgt tacccaactt aatcgcttg cagcacatc 399

<210> 228
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-9withM13R (see Figure 3)

<400> 228
gcctgtactc ccagcagttt gggagggtcaa ggtggagaga tcacttgagg tcaggagttc 60
gagaccagcc taaccaatat gatgaaaccc catctctact aaaaatacaa aaattagccg 120
ggcgtggtgg tgcgcacctg taatcccagc tactcaggag gctgaggcag gagaattgct 180
tgaaccaggg agtcggaggt tgcaagtaagc caagattgtg caaacaccct ccaagccgaa 240

ttctgcagat atccatcaca ctggcgccg ctgagcatg catctagagg gcccaattcg 300
 ccctatagt agtcgtatta caattcactg gccgtcgtt tacaacgtcg tgactgggaa 360
 aaccctggcg ttacccaact taatgcctt gcagcacatc ccccttcgc cagctggcgt 420
 aatagcgaa 429

<210> 229
 <211> 357
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from PK37-3.1withM13R (see Figure 3)

<400> 229
 cctgtactcc cagcagtttg gaagtggatc acttgaggcc agggactcaa gaccaacctg 60
 gccaatatgg caaaaccgg ctaaaaatac aaaaattagc tggacatggt tgcaggtgcc 120
 tgtaatcca gctactcggg aggttggtgc atgagaatca cttgaacctg ggaggcagag 180
 gctgcagcga gcagagattg tgcaaacacc ctaagccgaa ttctgcagat atccatcaca 240
 ctggcgccg ctgagcatg catctagagg gcccaattcg cccctatagt ggtcgcatt 300
 acaatttact ggcccgtcgt ttacaaccg tcccgactgg gaaaaccctg gcgttac 357

<210> 230
 <211> 517
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from PK37-7withM13R (see Figure 3)

<400> 230
 gcctgtactc ccagcagttt gggaggccaa atcagatgga tcactgagg tcaggagttc 60

aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120
gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180
gaacctgtga ggcggagggt tcggtgagct gagattgtgc aaacaccctc caagccgaat 240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
cctatagtga gtcgtattac aattcactgg cgtcgtttt acaacgtcgt gactgggaaa 360
accctggcgt tacccaactt aatgccttg cagcacatcc cctttcgcc agctggcgta 420
atagcgaaga ggcccgacc gatcgccctt cccaacagt ggcagcctg aatggcgaat 480
ggacgcgccc tgtagcggcg cattaagcgc ggcgggt 517

<210> 231

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK39-2withM13R (see Figure 3)

<400> 231

gcctgtactc ccagcagttt gggaggctga ggcggttga tcacaaggtt aggagttga 60
ggccagcctg gccataaga tgaaaccca tctgtactaa aaatacaaaa attagccaaa 120
cgtggtggtg ggcacctgta gtcccagcta ctgggaggc tgaggcaaaa aaattgcttg 180
aacctgggag gcggagggtg cagcgagctg agattgtgca aacaccctcc aagccgaatt 240
ctgcagatat ccatcacact ggcggccgct cgagcatgca tctagagggc ccaattcgcc 300
ctatagttag tcgtattaca attcactggc cgtcgtttt caacgtcgtg actgggaaaa 360
ccctggcggtt acccaactta atgccttgc agcacatccc cctttcgcca gctggcgtaa 420
tagcgaagag gcccgcaccg atgccttcc caacagtgc gcagcctgaa tggcgaatgg 480
acgcgccctg tagcggcgca ttaagccccg gcgggtgtgg tggttacgcg cagcgtgacc 540

gctacacttg ccagcgccct agcgcc

566

<210> 232

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-13 (see Figure 3)

<400> 232

gcctgtactc ccagcagttt gggaggccga ggtgggcgga tggcctgaag ccaggagttt 60

gagactagcc tggcctacat ggtgaaaacc tgtcttact aaaaatacaa taattagccg 120

gacatggtga cacctataat accagctact cggaagctg agccatgaga attgcttgaa 180

cccggaaggt ggaggttgca gtgagctgag attgtgcaaa caccctccgg ctgggtgtgg 240

cggaccgcta tcaggacata gcgttggtta cccgtgatat tgctgaagag cttggcggcg 300

aatgggctga ccgttcctc gtgctttacg gtatcgccgc tcccgattcg cagcgcatcg 360

ccttctatcg ccttctgac gaggcttctt gaattgaaaa aggaagagta tgagtattca 420

acatttcctg gtcgccctta ttccctttt gcggcatttt gccttctgt ttgctcacc 480

cacaaacctt ggtgaaagta aaagatgctg aagatcagtt gg 522

<210> 233

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-18withM13R (see Figure 3)

<400> 233

gcctgtactc ccagcagttt gggaggccaa agcggacgga tcatatgagg tcgagagttc 60

aagaacctg ttatcaatgt gaaaaatctg ggtctatact aaaaacacaa atttaccag 120
ggttgatgga agatgctggt catcctaatt cctcagaagg ctgaggcaga ggaatcattt 180
gaacctggga ggcgacgtt caggggacct gaaatggggc aaccaccttc aaagccgaat 240
ttgcaaatt tccataacat ggggggcgcg ttcaaccttg ctttaaagg gccatttcc 300
cttatatgga gtcgatttac aattaacggg cggctgtttt acaccttgg atgggaaaaa 360
ccctgctac ccca 374

<210> 234
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrlm57-7withM13R (see Figure 3)

<400> 234
acaatcggt gctctgatgc cgccgtgttc cggctgtcag cgcaggggcg cccggttctt 60
tttgtaaga ccgacctgtc cggcgccctg aatgaactgc aggacgaggc agcgcggtta 120
tcgtggctgg ccacgacggg cgctccttgc gcagctgtgc tcgacgttgt cactgaagcg 180
ggaagggact ggctgctatt gggcgaagtg ccggggcagg atctcctgtc atcccacctt 240
gctcctgccg agaaagtatc catcatggct gatgcaatgc ggcggctgca tacgcttgat 300
ccggctacct gccattcga ccaccaagcg aaacatcgca tcgagcgagc acgtactcgg 360
atggaagccg gtcttgtcga tcaggatgat ctggacgaag agcatcaggg gctcgcgcca 420
gccgaactgt tcgccaggct caaggcgcg atgcccgcgc gcaggatctc gtcgtgacca 480
tggcgatgcc tgcttgcca 499

<210> 235
<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk50-26withM13R(-46) (see Figure 3)

<400> 235

ttaaaaccga aatgccatga tacgccaagc ttgtaccga gctacggacc cactagctaa 60

cggccgcag tgtgcctgac ctctatccc tgcacgatat ccactcacac tgctggctgt 120

ccgtgcatgc atctaccggg ctcaattgc cctatagtga gtcggattac aattcactgg 180

ccgtcgtttt acaacgtcgt gactgggaaa accctggtgt tacccaactt aatgccttg 240

cagcacatcc cctttcgcc agcttggcgc aatagcgaag aggcacgct ccgatcgccc 300

ttccaacag ctgcgagc cagaatggct aatggacgcg ccctgtctcc ggccgcatta 360

atccgcggcg ggtgtggcgg ttaccccgca gcagtg 396

<210> 236

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK34-1withM13R (see Figure 3)

<400> 236

ggagggtgtt tgcacaatct ggagggtgtt tgcacaatct cggctcacca caacctctac 60

ctcccaggtt caagcaattc tgcctcagcc tccaagtag ctgggactac aggcgtgcac 120

caccacacct ggctaatttc tgtattttta gtagaaacag ggtttcacca tgttggccag 180

gctggtctcg aactcctgac ctgtgatcc gcctaccttg gctttccaaa ctgctgggag 240

tacaggcaag ccgaattctg cagatatcca tcacactggc ggccgctcga gcatgcatct 300

agagggccca atccgcccta tagtgagtcg tattacaatc cactggccga agtttacaac 360

ggcgtgactg ggaaaaccct ggcgttaccc aacttaatcg ccttgacga catccccctt 420

tcgccagctg gcgaaatagc gaagaggccc gcaccgatcg cccttccc 468

<210> 237

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK34-3withM13R (see Figure 3)

<400> 237

ggagggtgtt tgcacaatct ctgctcacta caacttctac ctcccaggct caagcaatcc 60

tcccatgtag ctgggaccac aggtgtgcac caccatgccca agctaatttt tgtatttttt 120

tgtagagtga ggtttcacca tattgcccag gttggtcttg aactcctaag ctcaagcaat 180

ccacctgcct cagcttctca aactgctggg agtacaggca agccgaattc tgcagatata 240

catcacactg gcggccgctc gagcatgcat ctagagggcc caattcgccc tatagtgagt 300

cgtattacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcgtta 360

cccaacttaa tcgcttgca gcacatcccc ctttcgccag ctggcgtaat agcgaaaagg 420

cccgaccga tcgcccttcc caacagtgc gcagcctgaa tggcgaatgg acgcgcctg 480

tagcggcgca ttaagcgcgg cgggtgtggt ggttacg 517

<210> 238

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK34-4withM13R (see Figure 3)

<400> 238

ggagggtgtt tgcacaatct cggctcatgg caccctcgc ctcccagatt caaatgatac 60
tctgcctca gcctcctgag tagctgggat tacatgcatg cgccaccatg cccagctaata 120
ttttgtatt tttagtagag acgggggttc accatgttgg ccagactaga cttgaactcc 180
tgacctcgtg atccaccac ctcaacctcc caaactgctg ggagtacagg caagccgaat 240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
cctatagtag gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360
accctggcgt tacccaactt aatgccttg cagcacatcc ccccttcgcc agctggcgta 420
atagcgaaaa ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480
ggacgcgccc tgtagcggcg cattaagcgc ggcggtgtg gtggttacg 529

<210> 239

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK34-5withM13R (see Figure 3)

<400> 239

ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctacaggtt caagtattc 60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120
tttgatatt tagtagagac caggattctt catgttgata aggtgggtct tgaactcctg 180
acctcagatg atccatctga ttggcctcc caaactgctg ggagtacagg caagccgaat 240
tctgcaaata tccatcacac tggcggccgt tcgagcatgc atctaaaggg cccaattcgc 300
cctataggtag agtcgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa 360
aaccctggcg ttaccaact taatgcctt gcagcacatc ccccttcgcc cagctggcgt 420

aatagcgaag aggccc

436

<210> 240

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK37-1 with M13R (see Figure 3)

<400> 240

gcctgtactc ccagcagttt gggaggccaa atcagatgga tcactgagg tcaggagttc 60

aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120

gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180

gaacctgtga ggcggagggtt tcggtgagct gagattgtgc aaacaccctc caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360

accctggcgt tcccaactta atgccttgc agcacatccc ccttcgcag ctggcgtaat 420

agcgaagagg ccgcaccga tcgcccttc caacagttgc gcagcctgaa tggcgaatgg 480

acgcgccctg tagcggcgca ttaagcgcg cggtgtggt g 521

<210> 241

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK37-2 with M13R (see Figure 3)

<400> 241

ggagggtgtt tgcacaatct cagtcattg caacttcag ctcccaggtt caagcgattc 60

tccttcctca gcctccaag tagttgggat tacaggcatg caccatcatg cccggctaata 120
 ttttgattt ttagtagaga cagggtttca ccatattggc caggctggc ttgaactcct 180
 gacctcgtgt tccaccacc tcagcctccc aaactgctgg gagtacaggc gaattctgca 240
 gatatccatc acactggcgg ccgctcgagc atgcatctag agggcccaat tcgccctata 300
 gtgagtcgta ttacaattca ctggccgtcg tttaacaacg tcgtgactgg gaaaaccctg 360
 gcgttaccca acttaatcgc ctgcagcac attcccttc gccagctggc gtaatagcga 420
 agaggccgc accgatcgcc ctccaaca gttgcgcagc ctgaatggcg aatggacgcg 480
 cc 482

<210> 242
 <211> 525
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from PK37-4withM13R (see Figure 3)

<400> 242
 ggagggtgtt tgcacaatct cagtcattg caacctccca ggttcaagcg attctcctgc 60
 ctcagcctcc tgagtagctg ggatcacagg tgtgtgccac cattcctggc taattttgt 120
 atttctagta gagatggggt ttaccatgt tggtcaggct ggtctcaaac tcctgacctc 180
 atgatctgcc caccttggcc tcccaaactg ctgggagtac aggcaagccg aattctgcag 240
 atatccatca cactggcggc cgctcgagca tgcatttaga gggccaatt cgccctatag 300
 tgagtcgtat tacaattcac tggccgtcgt tttaaacgt cgtgactggg aaaaccctgg 360
 cgttacccaa cttaatcgcc ttgcagcaca tcccccttc gccagctggc gtaatagcga 420
 agaggccgc accgatcgcc ctccaaca agttgcgcag cctgaatggc gaatggacgc 480
 gccctgtagt cggcgcatta agcgcggcgg gtgtggtggt tacgc 525

<210> 243
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-5withM13R (see Figure 3)

<400> 243
ggagggtgtt tgcacaatct cagctcacta caacctctgc ctcccaggtt caagcgattc 60
tcatgcctcg gcttctcaag ttgctgggac tacgggcaca cgccagcacg gctggctaata 120
tttgtattt ttagtagaga cagggtttca ccgtcttggc catgctggtc tcaaactcct 180
gacctcatga tccacccgcc ttggcctccc aaactgctgg gagtacaggc aagccgaatt 240
ctgcagatat ccatcacact ggcgccgct cgagcatgca tctagagggc ccaattcgcc 300
ctatagttag tcgtattaca attactggc cgctgtttta caacgtcgtg actgggaaaa 360
cccctggcgt tacccaactt aatcgcttg cagcacatcc cccttcgcc agctggcgta 420
atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcc 465

<210> 244
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-6withM13R (see Figure 3)

<400> 244
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacaggtt caagtattc 60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120
tttgtattt tagtagagac caggattctt catgttgata aggtgggttct tgaactcctg 180

acctcagatg atccatctga ttggcctcc caaactgctg ggagtacagg caagccgaat 240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360
accctggcgt tacccaactt aatgccttg cagcacatcc ccctttcgcc agctggcgta 420
atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480
ggacgcgccc tgtagcggcg cattaagcgc ggcggtgtg gtggttacgc g 531

<210> 245

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK37-8withM13R (see Figure 3)

<400> 245

ggagggtgtt tgcacaatct ttgtcactg caatctccac ctccgggtt caagtgttc 60

tctgcctca gactgtgaa tacttgggat tacaggcacc cgccaccaca ccttgctaata 120

tttttgatt ttaatatagag atgggggttc accatgtcaa ccaggctggt ctgaactcc 180

tgaccttagg tgatccacc acctcagcct cccaaactgc tgggagtaca ggcaagccga 240

attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggccaattc 300

gccctatagt gactgtatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 360

aaacctggc gttaccaaac ttaatgcct tgcagcacat cccctttcg ccagctggcg 420

taatagcgaa gaggccgca ccgatcgccc ttccaacag ttgcgcagcc tgaatggcga 480

atggacgcgc cctgtagcgg cgcattaagc gcggcgg 517

<210> 246

<211> 620

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK37-9withM13R (see Figure 3)

<400> 246

aacagctatg accatgatta cgccaagctt ggtaccgagc tcggatccac tagtaacggc 60

cgccagtgtg ctggaattcg gcttcctcag cctcctgagt agctgggggtt acaggtgccc 120

accaccacac ctggctgatt ttatatttt tagtagagat ggggtttcac catgtcgcca 180

ggctgggtctt gagctctaga cctcaagtga tccaccatc ttggccttc aaactgctgg 240

gagtacaggc aagccgaatt ctgcagatat ccatcacact ggcggccgct cgagcatgca 300

tctagagggc ccaattcgcc ctatagttag tcgtattaca attactggc cgtcgtttta 360

caacgtcgtg actgggaaaa ccctggcggtt acccaactta atcgccctgc agcacatccc 420

cctttcgcca gctggcgtaa tagcgaagag gcccgaccg atcgcccttc cccaacagtt 480

gcgcagcctg aatggcgaat ggacgcgccc ttagcggcg cattaagcgc ggcgggtgtg 540

gtggttacgc gcagcgtgac cgctacactt gccagcgcgc tagcgcgcgc tcctttcgct 600

ttcttcctt cctttctgc

620

<210> 247

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK37-26withM13R (see Figure 3)

<400> 247

ggagggtgtt tgcacaatct cggtcacag tagcctctgc ctctgggtt caagcgattc 60

tctgcctca gcctcccgag tagctgggat tacaggcatg cgccaccatg tccatctaata 120
 ttgtatttt tagtagagat ggggtttctc catgttggtc aggctgggtc cgaactccca 180
 acctcaggtg atccacccgc ctggcctcc caaactgctg ggagtacagg caagccgaat 240
 tctgcagata tccatcacac tggcgccgc tcgagcatgc atctagaggg cccaattcgc 300
 cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgc gactgggaaa 360
 accctgtcgt tacccaactc aatgccttg cagc 394

<210> 248
 <211> 566
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from PK39-3withM13R (see Figure 3)

<400> 248
 ggagggtgtt tgcacaatct tggctcactg caacctctgc ctctgggcc caagccatct 60
 tctacctca gcttcccgag tagctggact acagggtga gccatcacgc ccagccaatt 120
 ttgtatttt tagtagagac gaggtttcac catgttggtc tggctggcct tgatctctg 180
 acctagtgat ctccccgcct cagcctctca aactgctggg agtacaggca agccgaattc 240
 tgcagatc catcacactg gcggccgctc gagcatgcat ctagagggcc caattcgccc 300
 tatagtgagt cgtattacaa ttactggcc gtcgttttac aacgtcgtga ctgggaaaac 360
 cctggcgta cccaactta tcgccttgca gcacatcccc cttcgccag ctggcgtaat 420
 agcgaagagg cccgcaccga tcgcccttc aacagttgcg cagcctgaat ggccaatgga 480
 cgcgccctgt agcggcgcat taaacgcggc ggggtgtgtg gttacgcgca gcgtgaccgc 540
 tacacttgcc agcgccctag cgcccg 566

<210> 249
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-4withM13R (see Figure 3)

<400> 249
aacagctatg acctgattac gccaaagcttg gtaccgagct cggatccact agtaacggcc 60
gccagtgtgc tggaattcgg ctggtgttt gcacaatctc agtcaccga aacctccgcc 120
tcacaggttc aagtattcc tctgcctcag ccttctgagt agctaggatg acaagcattt 180
gccatgatac ctggctaatt ttgtatttt agtagagacc aggattcttc atgttgataa 240
ggtggttctt gaactcctga cctcagatga tccatctgat ttggcctctc aaactgctgg 300
gagtacaggc aagccgaatt ctgcagatat ccatcacact ggcggccgct cgagcatgca 360
tctagagggc ccaattcgcc ctatagttag tcgtattaca attcactggc cgtcgtttta 420
caacgtcgtg actgggaaaa ccctggcggt acccaactta atgccttgc agcacatccc 480
ccttgcga gctggcgtaa tagcgaagag gcccgaccg atgccttc ccaacagttg 540
cgagcctga atggcgaatg gacgcgccct gtagcggcgc attaagcgcg gcgggtgtgg 600

<210> 250
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-6withM13R (see Figure 3)

<400> 250
ggagggtgtt tgcacaatct cagtcaccg aaacctccgc ctcacaggtt caagtgttc 60

ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaatt 120
 ttgtatttt tagtagagat ggggttttgc catgttgcc aggctggctct caaactcctg 180
 acctcaagt atccccacc tcggcctccc aaactgctgg gactacaggc aagccgaatt 240
 ctgcagatat ccatcacact ggcgccgct cgagcatgca tctagagggc ccaattcgcc 300
 ctatagttag tcgtattaca attcactggc cgctgtttta caacgtcgtg actgggaaaa 360
 ccctggcgtt acccaactta atcgcttgc agcacatccc ctttcgcca gctggcgtaa 420
 tagcgaagag gcccgaccg atcgccctc ccaacagttg cgcagcctga atggcgaatg 480
 gacgcgcct gtagcggcgc attaagcgcg gcgggtgtgg tggttac 527

<210> 251

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK39-7withM13R (see Figure 3)

<400> 251

ggagggtgtt tgcacaatct ggagggtgtt tgcacaatct cggctcacca caatctttgc 60
 ctttcgggtt caagggttgc tctgcctca gcctcccgag tagctgggat tacaggcatg 120
 tgccaccaca cccggctaatt gtttagttt tagtagagac ggggtttctc tatgttggtt 180
 aggctggctct caaactcctg acctcaggtg atctaccgc ctcggcctct caaactgctg 240
 ggagtacagg caagccgaat tctgcagata tccatcacac tggcgccgc tcgagcatgc 300
 atctagaggg cccaattcgc cctatagtga gtcgtattac aattcactgg ccgtcgtttt 360
 acaacgtcgt gactgggaaa accctggcgt tacccaactt aatcgcttg cagcacatcc 420
 cccttcgcc agctggcgta atagcgaaga ggcccgacc gatcgccctt cccaacagtt 480
 gcgcagcct gaatggcgaa tggacgcgcc ctgtagcggc gcatta 526

<210> 252
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-8withM13R (see Figure 3)

<400> 252
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctacacaggtt caagtgattc 60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120
tttgatattt tagtagagat ggggttttgc catgttggcc aggctgggtct caaactcctg 180
acctcaagtg atccccacc tcggcctccc aaactgctgg gactacaggc aagccgaatt 240
ctgcagatat ccatcacact ggcgccgct cgagcatgca tctagagggc ccaattcgcc 300
ctatagttag tcgtattaca attactggc cgtcgtttta caacgtcgtg actgggaaaa 360
ccctggcgtt acccaactta atgccttgc agcacatccc ccttcgcca gctggcgtaa 420
tagcgaagag gcccgaccg atgccttc ccaacagttg cgcagcctga atggcgaatg 480
gacgcgcct g 491

<210> 253
<211> 539
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-9withM13R (see Figure 3)

<400> 253
ggagggtgtt tgcacaatct cagctcattg caacctccac ctccgggtt caagcaattc 60
ccctgcctca gcctcctgag tagctggaac tacaggcacg cgccaccacg tctggttaat 120

tttttgtat ttttatagag atgggggttt accatgttgc ccaggctggt cttaactcc 180
 tgggctcaag ctatccactc gccttggcct cccaaactgc tgggagtaca ggcaagccga 240
 attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggcccaattc 300
 gccctatagt gagtctgatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 360
 aaaccctggc gttaccaaac ttaatgcct tgcagcacat cccctttcg ccagctggcg 420
 taatagcgaa gagggccgca ccgatcgccc ttccaacagt tgcgcagcct gaatggcgaa 480
 tggacgcgcc ctgtagcggc gcattaagcg cggcgggtgt ggtggttacg gcgagcgtg 539

<210> 254

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK39-10withM13R (see Figure 3)

<400> 254

ggagggtgtt tgcacaatct cagtcaccg aaacctccgc ctcacaggtt caagtattc 60
 ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120
 tttgtatttt tagtagagac caggattctt catgttgata aggtggttct tgaactcctg 180
 acctcagatg atccatttga ttggcctcc caaactgctg ggagtacagg caagccgaat 240
 tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
 cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360
 accctggcgt tacccaactt aatgccttg cagcacatcc ccctttcgcc agctggcgta 420
 atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480
 ggacgcgccc tgtagcggcg cattaagcgc ggcggtgtg gtggttacgc gcagcgtgac 540

<210> 255
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-12withM13R (see Figure 3)

<400> 255
ggagggtgtt tgcacaatct tggctcactg caacttttgc ctcctgggtt caagcaattc 60
tcctgcctca gcctcccgag tagctgggac tataggcacg cgccatcacg ccgggttatt 120
ttgtattttt agtacagacg ggggttttac atggtggtca agctgggtt gaacttctga 180
cctcaagtga tcctgcccg ctcggcttc caaactgctg ggagtacatg gcaagcccga 240
attctgcaga tatccatcac acctggcggc cgctcgagct tgcatttaga gggcccaatt 300
ccgccctatt ctgagtcgta tctacaa 327

<210> 256
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-1withM13R (see Figure 3)

<400> 256
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacagggt caagtgttc 60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaatt 120
ttgtattttt tagtagagac caggattctt catgttgata aggtgggttct tgaactcctg 180
acctcagatg atccatctga ttggcctcc caaactgctg ggagtacagg caagccgaat 240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtccgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa 360

aacctggcgc ttacccaact taatgcctt gcagcacatc cccctttcg cacctg 416

<210> 257

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-2withM13R (see Figure 3)

<400> 257

ggagggtgtt tgcaaatct cagtcaccg aaacctccgc ctcacagggt caagtattc 60

ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120

tttgatttt tagtagagac caggattctt catgttgata aggtgggtct tgaactcctg 180

acctcagatg atccatctga ttggcctcc caaactgctg ggagtagagg caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360

acctggcgt tacccaactt aatgccttg cagcacatcc cccttcgcc agctggcgta 420

atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480

ggacgcgccc ttagcggcg cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac 540

cgctacatt gccagcgccc tagcgcc 567

<210> 258

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-6withM13R (see Figure 3)

<400> 258

ggagggtgtt tgcacaatct ggggttcaag ggaagagtcc aggctgcaga taaagatttg 60
ggagttgtca gtatagcaat ttattgttg ttattactgt tgtgttttg tagagatagg 120
gtctcactat gttgccacg ctggtcttga actcctgagc tcaagcgatc ctctgcttc 180
agcctcccaa actgctggga gtacaggcaa gccgaattct gcagatatcc atcacactgg 240
cggccgctcg agcatgcatc tagaggggccc aattcgccct atagtgagtc gtattacaat 300
tactggccg tcgttttaca acgtcgtgac tgggaaaacc ctggcggtac ccaacttaat 360
cgccttgtag cacatcccc ttccgccagc tggcgtaata gcgaagaggc ccgcaccgat 420
cgcccttcca acagttgcgc agcctgaatg gcgaatggac gcgcctgta gcggcgcat 480
aagcgcggcg ggtgtggtgg ttacgcgcag cgtgaccgct acacttgcca gcgccttagc 540
gcccg 545

<210> 259

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-8 (see Figure 3)

<400> 259

ggagggtgtt tgcacaatct tggctcactg caacctccac ctgcgagtc aagcaattct 60
tgtgccttag cctcctgaat agtagctggg attacgggcg tgtgcatca caccagcta 120
atttttgtat ttttagtaga gacagttgtc caggctggtc ttgaattcct ggcctcaaga 180
gatccgctgg ctttggcctc tcaaactgct gggagtagag gcaagccgaa ttctgcagat 240
atccatcaca ctggcgggcg ctgcagcatg catctagagg gcccaattcg ccctatagt 300
agtcgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa aacctggcg 360

ttaccaact taatgcctt gcagcacatc ccccttgcg cagctggcgt aatagcgaag 420

aggcccgac cgatgccct tccaacagt tgcgcagcct gaatggcgaa tggacgcgcc 480

tgtagcggcg cattaagcgc ggcggtgtg gtggttacgc gcagcgtgac c 531

<210> 260

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-8(2)withM13R BD43-8 (178, 100, 11q2
2.3) (see Figure 3)

<400> 260

ggagggtgtt tgcacaatct tggctcactg caacctccac ctgcagttc aagcaattct 60

tgtgccttag cctcctgaat agtagctggg attacgggcg tgtgcatca caccagcta 120

atTTTTgtat ttttagtaga gacagttgtc caggctggtc ttgaattcct ggcctcaaga 180

gatccgctgg ctttggcctc taaactgct gggagtagag gcaagccgaa ttctgcagat 240

atccatcaca ctggcgccg ctgcagcatg catctagagg gcccaattcg ccctatagt 300

agtcgtatta caattcactg gccgtcgtt tacaacgtcg tgactgggaa aacctggcg 360

ttaccaact taatgcctt gcagcacatc ccccttgcg cagctggcgt aatagcgaag 420

aggcccgac cgatgccct tccaacagt tgcgcagcct gaatggcgaa tggacgcgcc 480

tgtagcggcg cattaagcgc ggcggtgtg gtggttacgc gcagcgtgac c 531

<210> 261

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-9withM13R (see Figure 3)

<400> 261

ggaggggtgtt tgcacaatct cagctcactg caaccttcgc ctcccggtt caagtgttc 60
tctgcctca gcctcctgag tagctaggac tatagatgcc cccaccacgc ctggctaata 120
tttgtatttt ttagtacag tcgggggttt gccatgttgg ccaggctgat ctgaacccc 180
tgacctcaac tgatccacc acctcggcct tccaaactgc tgggagtaca ggcaagccga 240
attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggccaattc 300
gccctatagt gagtcgtatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 360
aaacctggc gttaccaac ttaatgcct tgcagcacat tccccttcg ccagctggcg 420
taatagcgaa gaggcccgca ccgatgccc ttccaacagt tgcgcagcct gaatggcgaa 480
tggacgcgcc ctgtagcggc gcattaagcc cggcgggtgt ggtggttac 529

<210> 262

<211> 563

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-10withM13R (see Figure 3)

<400> 262

ggaggggtgtt tgcacaatct cagctcactg caacctcct ctctgcatt caaatgttc 60
tcatgcctca gcctccgag tagctggaat tacagacatg tactaccaca ccaggctaag 120
tttgtatttt ttagtagaga cgaggtttca ccatgttggc caggctggtc ttgaactcct 180
ggcctcaagt gatccacctg ccttggcttc ccaaactgct gggagtacag gcaagccgaa 240
ttctgcagat atccatcaca ctggcggccg ctcgagcatg catctagagg gcccaattcg 300
ccctatagtg agtcgtatta caattcactg gccgtcgttt tacaacgtcc gtgactggga 360

aaaccctggc gttaccaac ttaatgcct tgcagcacat ccccccttc gccagctggc 420
 gtaatagcga agaggccgc accgatgcc ctccaaca gttgcgag cctgaatggc 480
 gaatggacgc gccctgtagc ggcgcattaa gcgcggcggg tgtgtgtgtt acgcgcagcg 540
 tgaccgctac acttgccagc gcc 563

<210> 263
 <211> 566
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from BD43-14 (191, 100, 16q24.2) with M13R (see Figure 3)

<400> 263
 ggagggtgtt tgcacaatct cagtcacca caacctttc ctgctgggtt caagtgatta 60
 tctgcctca acctccgcag tagctgggat tacaggcatg caccacatg cctggctaata 120
 tttgtatttt tagcagagac agtgtttctc catgttggtg aggctggtct caaactcccg 180
 acctcaggtg atccgcctgc ctacgcctcc caaactgctg ggagtacagg caagccgaat 240
 tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
 cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360
 accctggcgt tacccaactt aatgccttg cagcacatcc cctttcgcc agctggcgta 420
 atagcgaaga ggcccgacc gatgcacctt cccaacagtt gcgcagcctg aatggcgaat 480
 ggacgcgccc tgtaacggcg cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac 540
 cgctacactt gccagcggcc tagcgc 566